Samsung GALAXY S 4

4 G S M A R T P H O N E

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to hear and be heard™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- t also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.

IC Notice

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

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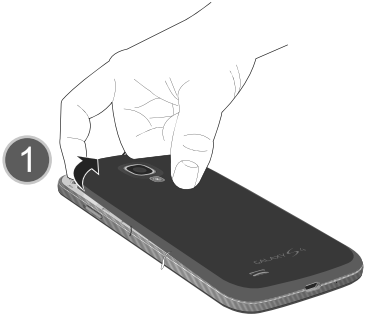
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

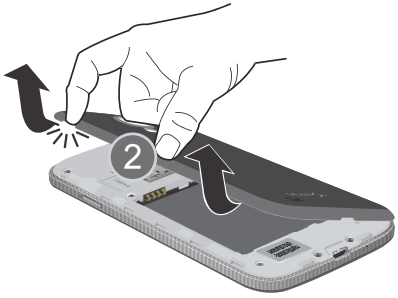
Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).



2. Lift the cover up (2) and to the right of the phone.



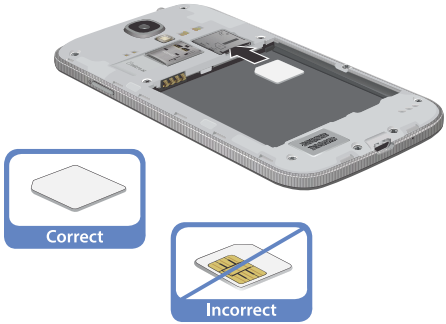
Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

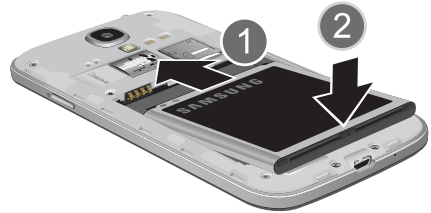
- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  - Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 64GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

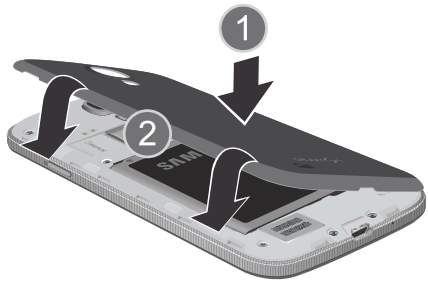
For more information on Memory Cards, see *"Memory Card"* on page 40.

Removing the Memory Card

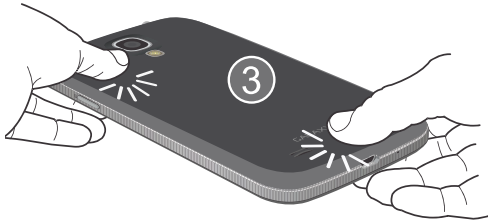
1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.



Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

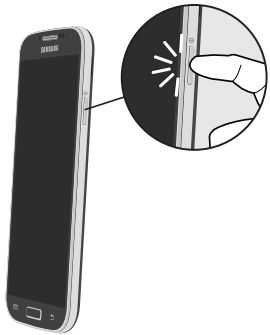
When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

- From the Home screen, tap Apps ➔ Settings ➔ MY DEVICE ➔ Display ➔ Display battery percentage.

Switching the Phone On or Off

1. Press and hold ⏻ until the phone switches on.



2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Language and input"* on page 124.

3. To switch off the phone, press and hold ⏻, until the Device options screen displays.
4. Tap Power off ➔ POWER OFF to switch off the phone.

Locking and Unlocking the Touch Screen

1. Press ⏻ to lock the touch screen.
2. Press ⏻ again to display the lock screen then swipe your finger across the screen to unlock.

Note: Note: Swipe is the default screen locking method. To change your screen lock, see *"Lock Screen Settings"* on page 108.

Configuring your Phone

When you first turn on your phone, you will need to set up a few things.

1. The Welcome! screen displays. The default language for your phone is English. If you would like to select another language, tap English and scroll up or down to select one of the listed languages.
2. If you are visually impaired or hard of hearing, tap ACCESSIBILITY to change the accessibility settings.
3. Tap NEXT.
4. At the Wi-Fi screen, set up a Wi-Fi connection if you would like to do that now. For more information, refer to *"Wi-Fi"* on page 151.
5. Tap NEXT.
6. At the EULA & Diagnostic Data screen, read the End User Licence Agreement for Software then tap the box to add a checkmark and accept the conditions. Read the CONSENT TO PROVIDEDIAGNOSTIC AND USAGE DATA then tap the radio button beside Yes or No thanks to indicate your selection.
7. Tap NEXT.
8. At the Tap & Go screen, copy apps and data from an existing device or tap SKIP.
9. At the Add your account screen, tap Enter your email to sign in to an existing Google account, tap CREATE A NEW ACCOUNT, or tap SKIP if you do not want to link a Google account to the device.

Note: In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, you will have access to more Google applications and applications will always be in sync between your phone and computer.

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10. At the Google & location screen, a blue checkmark displays next to the text that explains that you allow Google's location service to collect anonymous location data from your phone. If you disagree, tap the checkmark to remove it.
11. At the Name screen, enter your First and Last names in the provided fields so that your phone can personalize some applications. Tap NEXT or Done.

12. At the Google Services screen, tap the selection boxes to enable or disable Google services.
13. Tap NEXT.
14. At the Samsung account screen, tap SIGN N to sign in to an existing Samsung account, tap CREATE ACCOUNT to open a new account, or tap SKIP if you do not want to link a Samsung account to the device.
15. At the Dropbox screen, tap CREATE ACCOUNT if you don't have one yet or tap SIGN IN if you have already set up your Dropbox account. For more information see *"Dropbox"* on page 164.
16. At the Learn about key features display, tap each function to learn more about them and tap the switch at the right side to enable or disable the function.
17. Tap NEXT.
18. At the Thank you screen, enter a device name (optional) and tap FINISH to complete your setup.

    The main Home screen displays.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as Samsung Apps and Samsung Link. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. From the home screen, tap Apps ➔ Settings ➔ ACCOUNTS ➔ Add account.
2. Tap Samsung account.
3. Tap CREATE ACCOUNT.
4. Enter the required information and tap NEXT.
5. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap Settings ➔ ACCOUNTS ➔ Add account.

2. Tap Google.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From a computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the Need help? link.
3. Tap the I don't know my password radio button.
4. Enter your Email address and click Continue.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap 1 .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap then tap 1 . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Talkback

TalkBack is an Accessibility Service that helps blind and vision-impaired users interact with their devices more easily by adding spoken, audible, and vibration feedback. When activated, TalkBack will tell you what you just selected on your screen, letting you know what action was just performed.

1. On the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Accessibility ➔ Vision ➔ Talkback and drag the switch to the right to turn it on.
2. At the Use Talkback screen, tap OK.
3. At the Enable Explore by Touch screen, tap OK or Cancel (for more information on Explore by Touch, see below).

Explore by Touch

Explore by Touch is a feature within Talkback that tells you what you are touching on the screen before the action is completed.

1. On the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Accessibility ➔ Vision ➔ Talkback ➔ SETTINGS ➔ Explore by Touch.

- As you drag your finger around on the screen or touch areas of the screen, the device announces the name of apps, widgets and settings that are encountered.
- To select the announced app, widget or setting, quickly double-tap anywhere on the screen.
- To scroll or switch screens, swipe or drag using two fingers.
- To unlock the lock screen, swipe across the screen with two fingers.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

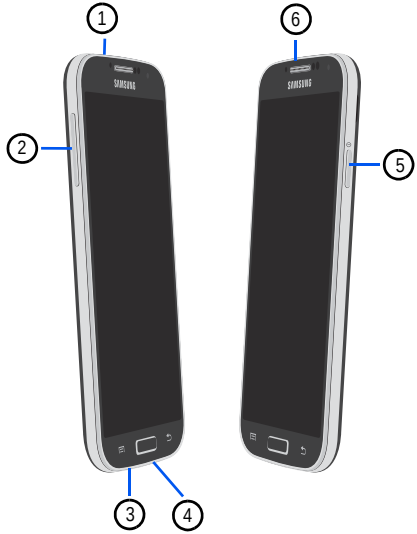
- 1.9 gigahertz quad-core processor
- Android v 5.0.1, Lollipop Platform
- Brilliant 4.99" Full HD Super AMOLED display
- Galaxy Gear™ compliant. For more information, please visit: www.samsung.com/us/galaxygearsupport
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- Mobile Hotspot and USB Tethering capability
- 13 Megapixel camera and camcorder with 2 Megapixel Front Facing camera
- GPS Navigation functionality provides real-time navigation
- Up to 64GB expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications
- Download apps via Google Play Store™
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Hangouts™
- Video with Full HD 1080p recording and playback
- Samsung Link to share media content with DLNA certified devices

Front View of Your Phone

1. Status light: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. Light (RGB) Sensor: lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
3. External speaker: allows you to hear the caller.
4. Application icons: you can place shortcuts to your favorite applications on the Home screen.
5. Primary shortcuts: allows quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps. For more information, refer to *"Primary Shortcuts"* on page 15.
6. Menu key: allows you to access sub-menus with additional options for different features and applications.
7. Home key: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application.
8. Back key: allows you step backwards when navigating a menu or web page.

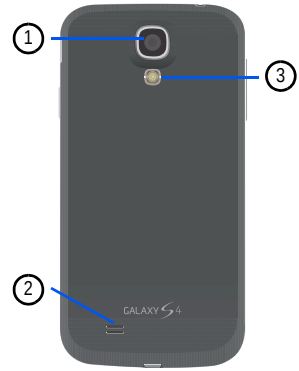
9. Home screen indicator: shows which Home screen is presently displayed.
10. Google Quick Search bar: a shortcut to Google Search that allows you to search for items on the internet.
11. Weather widget: displays Time, Day, Date, Temperature and weather conditions for your area.
12. Indicator icons: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
13. Front facing camera: allows you to take pictures of yourself.
14. Proximity and Light sensors: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side Views of Your Phone



1. 3.5mm Headset jack: allows you to plug in headphones.
2. Volume keys: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message.
3. Microphone: allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.
4. Power/Accessory Interface connector: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. Power/Lock key: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 27.
6. Microphone: used for noise cancellation and stereo recording.

Rear View of Your Phone



1. Camera lens: is used to take pictures and shoot videos.
2. External speaker: allows you to hear when the Speakerphone is turned on.
3. Flash: is used to provide extra light when taking pictures in dark places.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 12.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- Phone for dialing a number.
- Contacts for managing your daily contacts in your Address Book.
- Messaging for creating and viewing Messages.
- Internet for surfing the Internet.
- Apps for accessing the applications on your phone.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 34.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Flight Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays to indicate a security warning. You are prompted to set a screen lock password.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 53.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Low – Shows your current battery charge level.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will soon shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS network is active.

Displays when your phone is communicating with a UTMS network.

Displays when your connection to an HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with a 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"SPlanner"* on page 175.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 160.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a mobilehotspot.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when Near Field Communication (NFC) has been activated.

Displays when your device is being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when your device is currently sharing/ streaming media to a paired device using the Samsung Link application.

Displays when a screen capture has been taken.

Displays when the keypad is active.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 99.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 28.

1. From the Home screen, tap , then tap one of the application icons.

2. Follow the on-screen instructions.
3. To return to the main Home screen, tap [redacted].

The following applications are available:

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 159.

Camera: Use your 8.0 megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 80.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"Chrome"* on page 160.

Chrome: The Google Chrome app allows you to use the Google Chrome web browser on your camera. For more information, refer to *"Chrome"* on page 160.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 160.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. For more information, refer to *"Contacts and Your Address Book"* on page 59.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 163.

Drive: Google Drive allows cloud storage, file sharing and collaborative editing. For more information, refer to *"Drive"* on page 164.

Dropbox: Dropbox synchronizes files between your phone, computers, and the Dropbox website. For more information, refer to *"Dropbox"* on page 164.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 94.

Flipboard: This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 164.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 77.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 96.

Google: The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, see *"Google Search Bar"* on page 24.

Google Settings: Use this app to manage your Google settings. For more information, refer to *"Google Settings"* on page 165.

Google+: makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 98.

Group Play: Group Play allows you to share pictures, music, and documents in real-time with your friends. For more information, refer to *"Group Play"* on page 165.

Hangouts: Hangouts is a free application for instant messaging offered by Google.

Help: The Help application allows you to get more information on your phone features, applications, settings, accessories, and access to online help. For more information, refer to *"Help"* on page 166.

Internet: Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 166.

Kids Mode: provides a fun and safe environment for children by restricting access to certain apps or content.

Knox: Samsung KNOX is a comprehensive hardware and software security solution. For more information, refer to *"Knox"* on page 167.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 167.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 88.

Music: Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music"* on page 72.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 168.

Optical Reader: The Photo reader allows you to use your camera to identify text and extract useful information. For more information, refer to *"Optical Reader"* on page 170.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 42.

Photos: Google Photos allows you to share photos easily using the Google+ application.For more information, refer to *"Photos"* on page 171.

Play Books: With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 171.

Play Games: With Google Play Games, you can discover new games, track achievements and scores, and play with friends around the world.

Play Movies: With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 77.

Play Music: With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Play Music"* on page 75.

Play Newsstand: Google Play Newsstand puts fresh news and magazines at your fingertips.For more information, refer to *"Play Newsstand"* on page 171.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 172.

Polaris Office 5: Polaris® Office 5 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 5"* on page 172.

S Health: S Health is a wellness application that allows you to better manage your health by providing you with relevant information. For more information, refer to *"S Health"* on page 173.

S Memo: Use this application to create memos using existing templates or your own design. You can use handwriting or the keyboard to enter text. For more information, refer to *"S Memo"* on page 173.

S Planner: With the S Planner application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"S Planner"* on page 175.

S Translator: With the S Translator you can easily translate words and phrases into many different languages. For more information, refer to *"S Translator"* on page 177.

S Voice: With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"S Voice"* on page 177.

Samsung Apps: Samsung Apps allows you to easily download many different types of applications to your phone. You can download games, news, reference, social networking, navigation, and other applications. For more information, refer to *"Samsung Apps"* on page 178.

Samsung Link: With the Samsung Link app, you can share and play content across smart devices anytime and anywhere. For more information, refer to *"Samsung Link"* on page 178.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 99.

Story Album: With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you wish, you can have your album published as a hard copy. For more information, refer to *"Story Album"* on page 179.

TripAdvisor: With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do. For more information, refer to *"TripAdvisor"* on page 179.

Video: The Video application plays video files stored on your microSD card. For more information, refer to *"Video"* on page 179.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 179.

Voice Search: The Google Voice Search application allows you to search the web using only your voice. For more information, refer to *"Voice Search"* on page 180.

WatchON: With the Samsung WatchON application, you can use your phone as a remote control for your TV. For more information, refer to *"Settings"* on page 178.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 184.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 33.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar .
2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search. Follow the on-screen instructions.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Menu Key

Press Menu to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press Home to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press Back to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Using Motions and Gestures

By activating the various motion and gestures features, you can access a variety of time saving functions.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap Apps ➔ Settings ➔ MY DEVICE ➔ Motions and gestures. When tapped, each entry comes with an on-screen tutorial.

- Air gesture: Allows you to control your device by performing motions above the sensor (without touching the device).
- Motion: Allows you to control your device using natural movements (on the screen).
- Palm motion: Allows you to control your device by touching the screen with your entire hand.

To activate Air gesture:

1. From the Apps screen, tap Settings ➔ MY DEVICE ➔ Motions and gestures ➔ Air gesture.
2. Tap the ON/OFF slider located to the right of Air gesture to turn it on
3. Read the on-screen notification and tap OK.

Note: At least one feature must be activated before Air gesture can be activated.

4. Tap Learn about the sensor and icon field to review on-screen information about the Air gestures sensor and related icon.
5. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Motion:

1. From the Home screen, press and then tap Settings ➔ MY DEVICE ➔ Motions and gestures.
2. Tap the ON/OFF slider located to the right of Motion to turn it on
3. Read the on-screen notification and tap OK.

Note: At least one feature must be activated before Motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Palm Motion:

1. From the Home screen, press and then tap Settings ➔ MY DEVICE ➔ Motions and gestures.
2. Tap the ON/OFF slider located to the right of Palm motion to turn it on
3. Read the on-screen notification and tap OK.

Note: At least one feature must be activated before Palm motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on

For more information, refer to *"Motions and Gestures"* on page 127.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.
2. The lock screen will display with Swipe screen to unlock displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen will be displayed.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Security"* on page 134.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

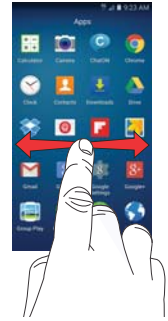
Your phone originally has three home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.
3. Tap one of the application icons.



Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

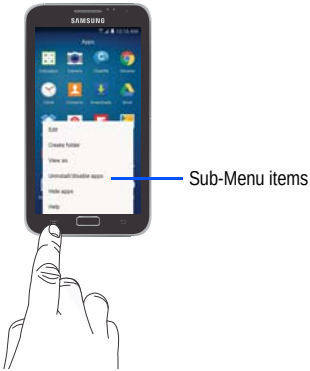
Sub-menus are available when you are at any Apps screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

A sub-menu will appear at the bottom of the phone screen.

2. Tap an option.



Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap to go to the Task manager.

   – or –

   Tap to go to Google Search.

   – or –

   Tap to delete the record of all recently used applications.

Using the Multi Window

This feature allows you to run multiple applications on the current screen at the same time.

1. From the Apps screen, tap **Settings** ➔ **MY DEVICE** ➔ **Display**.
2. Tap **Multi window** to place a checkmark in the selection box and turn it on.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen. When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

Activating Multi window

To activate Multi window, press and hold the Back key ( ).
The Multi window tray appears on the right side of the screen.

3. The tray disappears after a few seconds of inactivity.

Customizing the Multi Window apps

The applications found within the apps panel of the Multi window can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Activate the Multi window tray.
2. Tap at the bottom of the tray.
3. Tap Edit.
4. Touch and hold a desired app until it detaches from the panel, then carefully drag it to a new location in the list of apps. Lift your finger off the screen to let go of the app and drop it into its new location.

To remove a Multi window application:

1. Activate the Multi window tray.
2. Tap at the bottom of the tray.
3. Tap Edit to reveal a staging area that can house applications removed from the Multi window panel.
4. Drag and drop apps from the tray to the staging area as required.
5. Tap Done once you have completed the removal process.

To restore a Multi window application:

1. Activate the Multi window tray.
2. Tap at the bottom of the tray.

3. Tap Edit to reveal the staging area containing any previously removed apps.
4. Touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the tray.

Using Multi Window to run multiple apps on the same screen

Any of the apps found within the Multi window tray can be run at the same time as a current on-screen app.

Once multiple apps are running on the same screen, you can then choose to swap their positions or maximize a desired app.

Note: Only applications found within the Multi-window panel can be active atop another current application on the screen.
When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

In this example we will be launching both the Internet and Maps applications.

1. Launch an application such as Internet.
   - From the Home screen, tap Internet .
2. Activate the Multi window tray.
3. Touch and hold the desired app, such as Maps, until it detaches from the panel.
4. In a single motion, drag it over the top or bottom of the current app until the area turns blue and drop it in that location.

Note: Once two applications are running, the device displays a split screen view containing both the initial app and the new Multi window app. Each application is still independent of the other.

Using Multi Window options

When you use Multi window apps, select an app window and tap the border button to access the multi window options.

To switch the arrangement of the applications:

1. With two applications shown in a split screen, tap the border button to show the on-screen icons.
2. Locate and tap Switch Window. The app locations are switched.

To add text or images to an app:

1. With two applications shown in a split screen, tap the border button to show the on-screen icons.
2. Locate and tap Drag/Drop Content.
3. Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.

To increase the size of a desired application window:

1. With two applications shown in a split screen, tap the border button to show the on-screen icons.
2. Tap the desired application area (top or bottom).
3. Locate and tap Full Screen View. The selected app is maximized.

- To exit the Multi window app, tap .

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Primary Shortcuts
- Adding and Removing Widgets
- Moving Icons in the Apps Menu
- Creating Application Folders
- Adding a New Page to the Application Menu
- Changing the Wallpaper
- Adding and Deleting Home Screens
- Moving Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, drag it to the edge of the screen.

Adding a shortcut from the Apps Menu

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the Apps tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Deleting a shortcut

1. Press to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Remove icon and release it. As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the app, it just removes the shortcut from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the Apps shortcut.

1. Press to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen or to the Remove icon .
3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap Widgets at the bottom of the screen.
5. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget up to the Remove icon and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Press and tap View as.
4. Tap Custom. A green circle will appear next to the option.
5. Press and tap Edit.
6. Scroll through the list and locate the icon you wish to move.
7. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
8. Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Press and tap Edit.
4. Touch and hold the first application that you would like to move to a folder.
5. Drag the icon up to the Create folder icon.
6. Enter a folder name and tap OK.

   A folder is displayed in the original place of the application icon with the application icon displayed on top of it. You can now drag other Apps into the folder.

To view information on an App, drag the App icon up to the App info icon to view information on the application.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Press and tap Edit.
4. Touch and hold the first application that you would like to move to a new page.
5. Drag the icon up to the Create page icon.
6. Tap Save.

   The app will appear on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

   The Home screen window is displayed.

2. Tap Wallpapers.
3. Select the location where you would like to change the wallpaper. Tap Home screen, Lock screen, or Home and lock screens.
4. Scroll across the available wallpaper images, select a Wallpaper image, and tap SET AS WALLPAPER.
   - You can also tap From Gallery to select from a user image stored in the camera image gallery, drag a corner to crop the image, and tap SAVE.

Note: Wallpapers supports the following image types: JPEG, PNG, GIF, BMP, and WBMP.

Adding and Deleting Home Screens

You can add and delete Home screens. You can have up to seven Home screens.

To add a new Home screen:

1. Press [Home] to activate the main Home screen.
2. Pinch two fingers on the screen or navigate to a Home screen containing an open area, then press and hold. Scroll to the far right of the available screens and tap Add screen. The newly added screen appears as the last page.
3. If desired, touch and hold the new screen and drag it to a different location.

4. Press [Home] to return to the main Home screen. You can now add items to your new Home screen.

To delete a Home screen:

1. Press [Home] to activate the main Home screen.
2. Pinch two fingers on the screen or navigate to a Home screen containing an open area, then press and hold.
3. Touch and hold the Home screen you want to delete, then drag it to the Remove tab.
4. If there are items on the Home screen that you want to delete, the Remove page prompt is displayed.

5. Tap REMOVE to delete the page and its contents, otherwise tap CANCEL.
6. Press [Home] to return to the main Home screen.

Moving Home Screens

You can arrange your Home screens in any order that you want.

To move a Home screen, follow these steps:

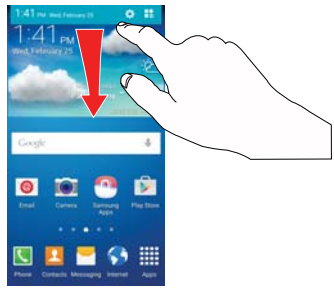
1. Press [Home] to activate the main Home screen.
2. Pinch two fingers on the screen or navigate to a Home screen containing an open area, then press and hold.
3. Touch and hold the Home screen you want to move, then drag it to the location that you would like to place it.

   When you move a Home screen, the other Home screens are be re-ordered automatically.
4. Press [Home] to return to the main Home screen.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

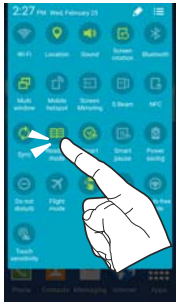
2. Tap the Clear button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.

1. From the Home screen, touch and hold the Notification Bar with two fingers until the pull-down displays, then drag down vertically. Or, on the notification panel, tap to display additional options.



The following functions (default) are located in the top two rows and can either be activated (green) or deactivated (light blue): Wi-Fi, Location, Sound, Screen rotation, Bluetooth, Multi window, Mobile hotspot Screen mirroring, S Beam and NFC.

2. Tap then locate the Notifications panel area located at the bottom of the Notifications panel screen.
3. In a single motion, touch and hold a desired function from the bottom two rows and then drag it to the top two rows. Additional functions are Sync, Reading mode, Smart stay, Smart pause, Power saving, Do not disturb, Flight mode, Air view, Air gesture, Hands-free mode, and Touch sensitivity.
4. Tap to display only your primary functions.

Memory Card

Your device lets you use a microSD™, microSDHC™ or microSDXC™ card (“SD card”) to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device’s SD functionality.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external SD card slot. For more information, refer to *“Removing and Installing the Memory Card”* on page 2.
2. Your SD card is mounted and scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Storage.

2. Scroll to the bottom of the display and tap Unmount SD card.
3. Tap OK.

   For more information, refer to *“Removing and Installing the Memory Card”* on page 2.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Storage.
2. The available memory for Device and SD card displays under the Total space and Available space headings.

Format the SD card

You can erase all files from the SD card by formatting it.

1. Ensure the SD card is mounted. For more information, refer to *“Mounting the SD Card”* on page 40.
1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Storage.
2. Tap Format SD card.
3. At the Format SD card confirmation prompt, tap FORMAT SD CARD.

Warning! Performing the next step erases all data stored on the SD card.

4. Tap ERASE EVERYTHING to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Sounds and notifications"* on page 111.

Displaying Your Phone Number

- Tap → Settings → MORE → About device → Status. Your phone number is displayed in the My phone number field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the Auto redial option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 53.

Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The + character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap Add 2-sec pause to add a two second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than two seconds by entering multiple two second pauses.

4. Select Add wait to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 60.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap .

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the Call log. If the number or caller is listed in your Address Book, the associated name is also displayed.

1. From the Home screen, tap .
2. Tap Logs .

A list of recent calls is displayed.

3. Tap the desired Contact to enter the Details page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the Insert SIM card to make calls message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap Emergency call from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Making an Emergency Call with a SIM card

1. From the Home screen, tap .
2. Enter the emergency number (ex: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap Contacts to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap Speed dial.
4. The Speed dial screen displays showing the numbers 1 through 100. Tap < and > to access number to 999. The number 1 is reserved for Voicemail.
5. Tap an unused number and the Select contact screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number, tap X at the right side of the speed dial entry.
8. To make a call using Speed Dial, tap ➔ Keypad. To call a single digit speed dial number, touch and hold the digit on the keypad. To call a multi-digit speed dial number, tap the digits, holding the final digit. For example, to call speed dial number 348, tap 3, tap 4, then tap and hold 8.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the Address Book.

For further details about the Address Book feature, see *"Finding an Address Book Entry"* on page 61.

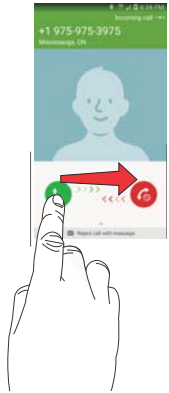
Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - Sorry, I'm busy. Call back later.
     - I'm in a meeting.
     - I'm driving.
     - I'm at the cinema.
     - I'm in class.

   – or –

     - Tap **Compose new message** to compose a new message.



2. Tap End call to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → Keypad. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- Keypad: dials the current number entered using the on-screen keypad.
- Logs: displays a list of all dialed, received, and missed calls.
- Favourites: displays your contacts that you have marked as Favourites.
- Contacts: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the Add to Contacts option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap Logs .

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- Incoming Calls:
- Outgoing Calls:
- Missed Calls:
- Rejected Calls:
- Auto Rejected Calls:

Calling Back a Missed Call

To call back a missed call number:

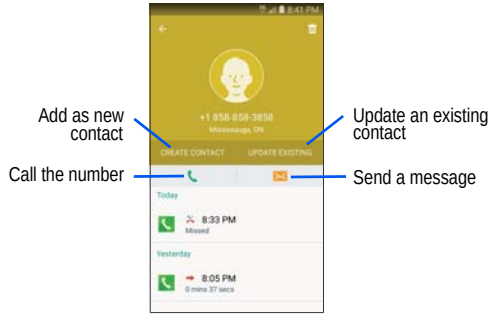
1. From the Home screen, tap → Logs .
   A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.
2. Swipe the desired missed call to the right to call.

Saving a Recent Call to your Address Book

1. From the Home screen, tap ➔ Logs.
   A list of recent calls is displayed.
2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap CREATE CONTACT to add the call to your Address Book.
   The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, tap UPDATE EXIST NG.



4. Enter information into the various fields using the keypad.
5. Tap SAVE to save when you are finished.

For further details about the Address Book feature, see *"Adding a New Contact"* on page 59.

Sending a Message to a Recent Call

1. From the Home screen, tap ➔ Logs.
   A list of recent calls is displayed.
2. Swipe the entry you want to message to the left.

3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.

   For more information, refer to *"Creating and Sending Messages"* on page 88.

Deleting a Call from the Call Log

1. From the Home screen, tap ➔ Logs .

   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap Delete.
4. At the DELETE prompt, tap OK.

   The call is deleted from the Call log.

Adding a Call to the Auto Reject List

1. From the Home screen, tap ➔ Logs .

   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap Add to Auto reject list.

   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap ➔ Logs .
2. Press ➔ Call duration.
3. The following times are displayed for Voice and Data:
   - Last call: shows the length of time for the last call.
   - Dialed calls: shows the total length of time for all calls made.
   - Received calls: shows the total length of time for all calls received.
   - All calls: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping Reset.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the Volume keys on the left side of the phone.

- Press the Up volume key to increase the volume level and press the Down volume key to decrease the volume level.

  – or –

  Quickly add more volume to the incoming audio by tapping the on-screen Extra volume button .

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- Hold: place the current active call on hold.
- Add call: displays the dialer so you can call another person.
- Keypad: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- End call: terminates the call.
- Speaker: routes the phone's audio through either the speaker or through the earpiece.
  - Tap Speaker to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) The icon turns green.
  - Tap Speaker again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 51). The icon turns grey when Speaker is not activated.
- Mute/Unmute turn the onboard microphone either on or off.
  - Tap Mute during a call to mute the microphone. The icon turns green.
  - Tap Mute again to unmute the microphone. The icon turns grey when Mute is not activated.
- Bluetooth connects to a Bluetooth headset.
  - Tap Headset during a call to activate a Bluetooth headset. The icon turns green.
  - Tap Headset again to de-activate the Bluetooth headset. THe icon turns grey when Bluetooth is not activated.
- Press for more options:
  - Contacts: allows you to go to your Contact list.
  - Memo: allows you to write a memo.
  - Message: allows you to write a message during a call.
  - Settings: Opens the Call Settings menu.

Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. From the call screen, tap .

2. Confirm the option is enabled .
3. Select an available option. Choose from: Adapt Sound, Soft sound, Clear sound, and Off.

Activating Noise Reduction

During a call it may be necessary to activate the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise.

Noise reduction is on by default.

1. Press to turn Noise reduction off.
2. Press to turn Noise reduction on.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap Hold . This action places the current caller on hold.
2. You can later reactivate this call by tapping Unhold .

To make a new call while you have a call in progress

1. Tap Hold .
2. Tap Add call to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box at the top of your screen and the call on hold will appear in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap Swap.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.
2. Tap to end the currently active call.

To end a specific call

1. Tap Swap until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.

2. Tap Putting "Name/Number" on hold to put the first call on hold.

   – or –

   Tap Ending call with "Name/Number" to end the first call.

3. To switch between the two calls, tap Swap.
   - Swap: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap Swap again to switch back.

To end a call on hold

1. Tap End call to disconnect the active call.
2. The call on hold will now become the active call. Tap End call to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The Merge option combines all of the calls you have established with your phone (both active and on hold). Swap places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap Putting "Name/Number" on hold to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping Merge Merge.
5. To temporarily leave the conference call, tap Hold Hold.

   To rejoin the conference call tap Unhold Unhold.
6. Tap End call to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap Speaker Speaker.

The Speaker button now appears as and the speakerphone is activated.

2. Use the Volume keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap Speaker .

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap Mute .
   The Mute button now appears as and Mute is activated.
2. Tap Mute to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap Bluetooth .
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.
   The Bluetooth button now appears as and the Bluetooth headset is activated.
3. Tap Bluetooth to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap Contacts.
2. Tap the Address Book entry.

For further details about the Address Book feature, see *"Finding an Address Book Entry"* on page 61.

Call waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- From the Home screen, tap ➔ ➔ Settings ➔ Call ➔ More settings ➔ Call waiting.
  You are notified of an incoming call by a call waiting tone.

Call forwarding

1. FFrom the Home screen, tap ➔ ➔ Settings ➔ Call ➔ More settings ➔ Call forwarding.
2. Tap one of the following options:
   - Always forward: allows you to forward all voice calls.
   - Forward when busy allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.
   - Forward when unanswered: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - Forward when unreachable: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Call Settings

To access the Call settings menu:

- From the Home screen, tap ➔ ➔ Settings ➔ Call.

  – or –

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call.

For more information, refer to *“Call”* on page 115.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

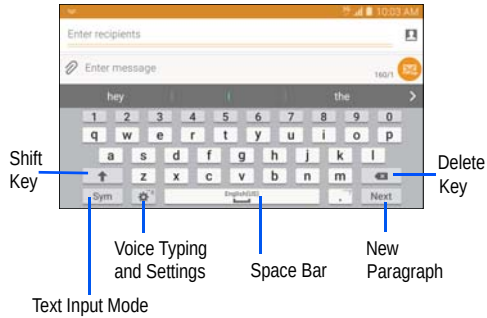
There are three text input methods available:

- Samsung keyboard (default): Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- Google Voice typing: allows you to enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 124.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: Sym and Abc.

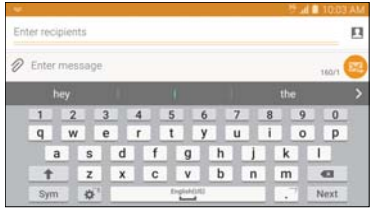
Sym — Symbol/Numeric Mode: activates the number, symbol, and emoticon keys.

ABC — ABC Mode: activates the default alphabet keys. Can also be set to Abc or abc by using the shift (⬆) key.

Note: When in Abc mode, the Sym button will appear. When in Sym mode, the Abc/ABC/abc button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the Enter message field, the following screen displays:



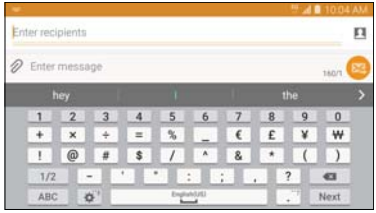
3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.
5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.

2. Tap Sym at the bottom of the screen. The following screen displays:



3. Tap the desired number, symbol, or emoticon characters.
4. Tap the 1/2 button to access additional symbols.
5. Tap ABC to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard. Predictive text is turned on by default.

1. Tap on the keyboard (if voice typing is on, press and hold then tap).
2. Tap **Predictive text** and tap the ON/OFF slider, located to the right of the field, to turn Predictive text on .
3. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.

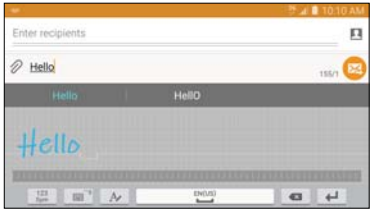
4. Continue typing your message. Tap to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 88.

Note: You can also use Predictive Text mode in the portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger to handwrite letters on your screen.

1. Press and hold on the keyboard (if voice typing is on, press and hold).
2. From the keypad, tap .
3. Use your finger tip to write out each character. You can print or use cursive.
4. You can write out your entire message using the Handwriting feature or tap to switch back to Samsung keyboard mode.



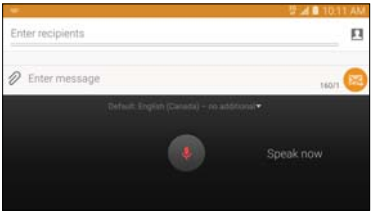
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 124.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. Tap on the keyboard (if Samsung Keyboard is active, press and hold and tap .



2. At the Speak now prompt, speak clearly and distinctly into the microphone.
3. If the red microphone turns gray, then the feature has timed out and you should tap the microphone icon to start again.

The text is displayed in the message as you are speaking.

4. Tap to return to the keyboard.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap Contacts ➔ .
2. At the Save contact to prompt, tap on Device, S M card or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing an option:
   - Image: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap Done.
   - Take picture: use the camera to take a new picture and assign it to this entry, then tap SAVE.
   - Tagged pictures: retrieve a previously stored image.
   - S Memo: assign part of the contents of an S Memo as the contact image.
   - Remove: deletes any previously assigned image on an existing contact.
4. Tap the Name field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 54.

   – or –

   Tap ⌄ next to the Name field to display additional name fields.
5. Tap the Phone number field.

   The numerical keypad is displayed.

   The Mobile button initially displays next to the Phone number field. If you want to add a phone number that is not a mobile number, tap the Mobile button and select from Mobile, Home, Work, Work Fax, Home Fax, Pager, Other, Callback or Custom (add your own label).
6. Enter the phone number.

Tap + to add another Phone number field or tap − to delete a field.

7. Tap the Email address field.
   The keyboard is displayed.
   The Home button Home initially displays next to the Email field. If you want to add an Email address that is not a Home email address, tap the Home button and select another Email address type.
8. Enter the Email address.
   Tap + to add another Email address field or tap − to delete a field.
9. Tap any of the following fields that you want to add to your new contact:
   - Groups: assign the contact to Not assigned, ICE - emergency contacts, Co-workers, Family, or Friends.
   - Ringtone: adds a field used to assign a message tone that will sound when messages are received from this contact.
   - Add another field: tap this button to add another field such as Phonetic name, Organization, IM, Address, Notes, Nickname, Website, Internet call, Events, Relationship, Message tone or vibration pattern.
10. Tap Save to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to an existing Contact:

1. From the Home screen, tap Contacts, and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym.

6. Tap Pause to add a two-second pause or tap Wait to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap Save to save your changes, or tap Cancel to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap Contacts .
2. Press and hold the Contact that you want to edit.
3. Tap to edit.
4. Tap any of the fields to add, change, or delete information.
5. Tap Save to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

From the Address book, you can also send messages.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

1. From the Home screen, tap Contacts .
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
3. Tap the contact you wish to call or message.
4. Tap the phone icon to make a phone call or tap the message icon to send a message.

   For more information, refer to *"Creating and Sending Messages"* on page 88.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Linking Contacts

Linking Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 63.

1. From the Home screen, tap Contacts .
2. Tap a contact name (the name you want to join to another entry). Note: typically this is the same contact with a different name or account information.
3. Press → Link contact.
   The contact list is displayed.

Note: Only contacts stored on your phone can be joined.

4. Tap the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you link the contacts.

5. Tap Link icon under the Connection bar to view the contact information you linked. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Separating Linked Contact Information

1. From the Home screen, tap Contacts .
2. Tap a contact name (the account name from which you want to unlink an entry). Note: typically this is the same contact with a different name or account information.
3. Tap Link icon under the Connection bar.
4. Tap the minus sign next to the entry that you want to separate. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap Contacts .
2. Tap a Contact name.
3. Press ➔ Mark as default. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap Done.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap Contacts .
2. Press then tap Accounts.

   If you have previously added any accounts, the Sync settings prompt is displayed with your current accounts listed.
3. Tap an account that you would like to synchronize.
4. At the Sync settings screen, tap the options that you would like to synchronize for that account.
5. Tap Sync now to synchronize the account.

   The account is synchronized.
6. Press to return to the Contacts list.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap Contacts then press .
2. The following options are displayed:
   - Delete: allows you to delete 1 or more of your contacts.
   - Share name card: allows you to send the contact's information via Bluetooth, ChatON, Dropbox, Email, Gmail, Messaging, or Wi-Fi Direct.
   - Move device contacts to: move contacts to Google or Samsung account.
   - Speed dial: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 44.
   - Send message or email: allows you to send a text message, picture message or email.
   - Settings: allows you to set the following options:
     - Call: provides quick access to the call settings menu (see *"Call Settings"* on page 53).
     - Contacts

       Import/Export: contacts: allows you to move contacts to or from device storage, SD card or S M card.

       Contacts to display: choose to display All contacts or from Deviice, SMI card, or Customised list.

       Swipe to call or message: enable calling or messaging by swiping phone number left or right on a contact screen.

       Only contacts with phones: allows you to only display contacts that have phone numbers.

       Sort by: allows you to sort by First name or Last name.

       Display contacts by: allows you to sort by First name or Last name first.

       Service numbers: allows you to display or edit your service numbers.
     - Send multiple name cards: allows you to send all or individual contacts via Bluetooth in the form of namecards.
     - Accounts: opens the Accounts screen.
   - Help: view more information on using Contacts.

Options at Selected Contact Screen

1. From the Home screen, tap Contacts .

2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - Delete: allows you to delete the contact from your Address Book.
   - Link contacts: allows you to link contacts with other contacts.
   - Separate contacts: allows you to separate contacts that have been joined.
   - History: allows you to view the phone and message history for the contact.
   - Share name card: Send contact's namecard information via Email, Dropbox, Android Beam, Bluetooth, ChatON, Drive, Gmail, Messaging, Quick Connect, Samsung Link, or Wi-Fi Direct.
   - Send contact information: forward contact information in a message.
   - Add to/Remove from Auto reject list: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
   - Add shortcut to Home: allows you to place a shortcut for this contact on your Home screen.

Groups

Adding a Contact to a Group

1. From the Home screen, tap Contacts .
2. Tap the Contact that you want to add to a group.
3. Tap to edit.
4. Tap Groups.
5. Tap the group that you would like to add the contact to. You may select as many groups as you like.
6. Tap Save.
7. After returning to the main edit screen, tap Save again. The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap Contacts ➔ Groups .
2. Tap a group entry.
3. Press ➔ Remove member.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap Done.

The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap Contacts ➔ Groups ➔ ➔ Create.
2. Tap the Group name field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 54.
3. Tap Group ringtone to choose a ringtone for assignment to this new group.
4. Tap Message alert to choose an audio file for assignment to this new group.
5. Tap Vibration pattern to choose an audio file for assignment to this new group.

   – or –

   Tap Create and follow the on-screen instructions to create your own vibration pattern.
6. Tap Add member to add contacts to the new group.
7. Tap each contact you want to add to create a checkmark. You can also tap Select all.
8. Tap Done.
9. Tap Save to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap Contacts ➔ Groups .
2. Tap a group entry.
3. Press ➔ Edit group.
4. Make modifications to the Group name, Group ringtone, Message alert or Vibration pattern fields.
5. Tap Add member to add more contacts to this group.
6. Tap Done.
7. Tap Save to save the edited Group category.

Address Book Favourites

Once you have stored phone numbers in the Address Book, you can add them to your Favourites list.

To view your Favourites list:

- From the Home screen, tap Contacts ➔ Favourites .

Adding Favourites to your Address Book

1. From the Home screen, tap Contacts ➔ Favourites ➔ .
2. When the Contacts list is displayed, tap a contact that you want to add to your favourites list. You may select more than one.
3. Tap OK.

   A gold star will appear next to the contact image in the Address Book.

Removing Favourites from your Address Book

1. From the Home screen, tap Contacts .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favourites list. Contacts in your Favourites list will have a gold star.
3. Tap Remove from favourites on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap Contacts ➔ ➔ Settings ➔ Contacts ➔ Import/Export.
2. Tap Export to SIM card.

   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.
   - Repeat this step for all individual entries you wish copied to the SIM or tap Select all to place a checkmark alongside all entries.
4. Tap Done to copy.
5. At the Copy to SIM display, tap OK.

   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. From the Home screen, tap Contacts ➔ ➔ Settings ➔ Contacts ➔ Import/Export.
2. Tap Import from SIM card.
3. At the Save contact to prompt, tap Device or an account name that you would like to copy the contact to.

   The phone then displays a list of your current contacts stored on your SIM card.
4. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap Select all to place a checkmark alongside all entries.
5. Tap OK to copy.

   The selected numbers are copied.

Deleting a Contact

You can delete Phone or SIM entries.

1. From the Home screen, tap Contacts .
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap Delete on the displayed list.

At the Delete prompt, tap DELETE to delete the contact or Cancel to exit.

Deleting Multiple Contacts

1. From the Home screen, tap Contacts ➔ ➔ Delete. The phone displays a list of your current contacts.
2. Tap the contacts to place a checkmark adjacent to those entries you wish to delete.
   - Repeat this step for all individual entries you wish deleted or tap Select all to place a checkmark alongside all entries.
3. Tap Delete.
4. At the Delete Contact prompt, tap OK.

   The selected contacts are deleted.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap Contacts ➔ ➔ Settings.

2. Tap Service numbers.
3. Scroll through the available numbers (if available).
4. Tap a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Samsung Link, Music, Video, Play Movies, Gallery, Camera, and Camcorder.

Samsung Link

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung Link makes staying connected easy.

Samsung Link allows users to share their in-device media content with other DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application. For more information, refer to *"Wi-Fi Settings"* on page 100. For more information, refer to *"Creating a Samsung Account"* on page 8.

1. From the Home screen, tap ➔ Samsung Link .
2. Tap SIGN N to sign into your Samsung Account if you have not already done so.
3. If prompted, read the on-screen message about network charges and tap OK to continue and return to the main Samsung Link screen.
4. Swipe right to access the application's two streaming media options:
   - Registered devices: Stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.
   - Registered storage: Receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.

Configuring Samsung Link Settings

Samsung Link must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap ➔ Samsung Link .
2. Press and then tap Settings and configure the following settings as desired:
   - Register storage: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
   - Auto Upload: allows you to setup automatic upload of images from your device to those storage locations specified within the Web storage list. Tap the slider to turn it on .
   - Video optimization: allows you to setup the video quality for streamed video content. Tap the slider to turn it on .
   - Password lock: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Tap the slider to turn it on .
   - My account: displays Samsung account information.
   - Information: displays version and license information about Samsung Link.

Share Media with a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap ➔ Samsung Link .
3. Swipe right and tap your device name from the Registered devices list.
4. Tap an available category tab (Photo, Music, Video, Document)
5. Touch and hold to select a file, then tap any additional files to be transferred.
6. Tap (Stream to connected devices)
7. (Stream to connected devices) to begin streaming the selected files.
8. On a target device (for example, an Internet TV) select the on-screen Allow button to continue.

Note: At this stage your device is requesting access to share media with the external source.

Confirm (Samsung Link Controller enabled) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Music

Music is an application that can play music files. It supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap ➔ Music .
2. Tap a library category at the top of the screen (PLAYLISTS, TRACKS, ALBUMS, ARTISTS, FOLDERS, DEVICES) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following Music controls are available:

Streams the current music file to another device via Samsung Link.

Volume control and SoundAlive.

Volume control showing volume muted.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Assign the current song as a Favourite.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Lists the current playlist songs.

Touch and hold to rewind the song. Touch to go to previous song.

Pause the song.

Start the song after pausing.

Touch and hold to fast-forward the song. Touch to go to next song.

Create a playlist.

Music Options

To access additional options, follow these steps:

1. While in Music, press
2. The follow options are available:
   - Listen via Bluetooth: scans for devices and pairs with a Bluetooth headset.
   - Add to now playing list: allows you to add the current music file to a selected playlist.
   - Play via Group Play: share the current song with friends in real time via Group Play.
   - Delete: delete the current track.
   - Set as: allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
   - Settings: allows you to change your Music Player settings. For more information, refer to *"Music Settings"* on page 73.
   - Details: allows you to view media info such as Artist, Title, Biography, and other information.

Music Settings

The Music Settings menu allows you to set preferences for the Music Player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ➔ Music
2. Press ➔ Settings.
3. Select one of the following settings:
   - Tabs: this menu allows you to select which categories you want to display. Choices are: Playlists, Tracks, Albums, Artists, Genres, Folders, Composers, and Devices. Touch each item that you want to display in the tabs.

- **Playlists**: Select the default playlists to display. Choices are: Favourite tracks, Most played, Recently played, and Recently added.
- **SoundAlive**: set a type of sound equalization: Normal, Pop, Rock, Jazz, Dance, Classic, Tube amp or Vocal.
- **Adapt Sound**: allows you to hear incoming calls and notifications when your are listening with earphones.
- **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
- **Music auto off**: when activated, music will automatically turn off after a set interval.
- **Lyrics**: displays lyrics (when available).
- **Smart volume**: automatically adjusts each track's volume to an equal level.
- **Voice control**: allows you to use voice commands to control the Music player.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ➔ Music .
2. Tap the **Playlists** tab.
3. Press ➔ Create playlist.
4. Type a name for this playlist in the field and tap CREATE.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap ➔ Music .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap Add music.
5. Tap a music file, or tap the checkbox at the top left corner to add all the music tracks to this playlist, then tap DONE.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ➔ Music
2. Tap the Playlists tab.
3. Tap the playlist name in which to delete music.
4. Press ➔ Remove.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap the checkbox at the top left corner to remove all the music tracks from this playlist, then tap DONE.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ➔ Music Player.
2. Tap Playlists.
3. Tap the playlist to be renamed.
4. Press ➔ Edit title.
5. Enter a new name for the playlist then tap EDIT.

Music square

Music square uses an intelligent algorithm to sort and categorize your music according to the way you experience it. It analyzes your preferences and builds custom playlists containing similar styles of music. Select a square on the screen to play music with similar characteristics.

1. From the Home screen, tap ➔ Music Player.
2. Press ➔ Music square.

Play Music

With Google Play Music, you can store your music online and listen to it anywhere. No need to worry about syncing, storage space or offline playback. You can also buy new music on Google Play.

1. From the Home screen, tap ➔ Play Music
2. Drag right on the screen to view the menu.

For more information on using Play Music, tap Help on the menu.

Video

The Samsung Video application plays video files stored on your phone or microSD card.

1. Tap → Video .
2. All videos that you have on your phone and memory card will be displayed.
3. Tap the video that you want to play. The video will begin to play.
4. The following video controls are available:

Streams the current music file to another device via Samsung Link.

Volume control.

Volume control showing volume muted.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Original size view. The video will be played in its original size.

Stretch to fit. The video is enlarged to fit the screen without becoming distorted.

Touch and hold to rewind the video. Touch to go to previous video.

Pause the video.

Start the video after being paused.

Touch and hold to fast-forward the video. Touch to go to next video.

Play a video as a small pop-up while viewing another screen. Touch and drag the pop-up video to the desired location on the screen. Double-tap the pop-up to return to full screen mode.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

Play Movies

With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time.

1. From the Home screen, tap ➔Play Movies .
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.
4. Sweep right for menu items.
5. Press for additional options.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap ➔ Gallery

   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using My files or other file management applications and try again. For more information, refer to *"My Files"* on page 168.

Viewing Pictures

1. From the main gallery, Press ➔ Slideshow to see a slideshow of all of your pictures.
2. Tap a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen, tap anywhere on the screen to display them.

3. The following options are available:

   Change player: Select a DLNA-enabled device.

   Share via: Share the photo by using various options.

   Edit: Edit the photo using Photo editor.

   Delete: Delete the photo.

4. Press for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.

   For video player controls, see *"Video"* on page 76.

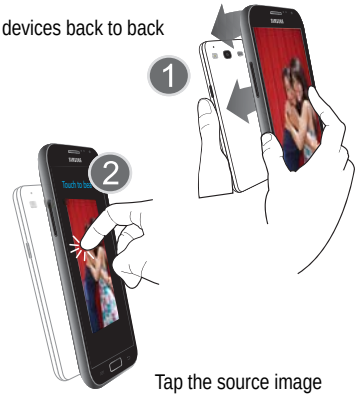
Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. If not already active, tap the NFC slider to turn it on .
3. If not already active, tap the S Beam slider to turn it on .
4. On the source device (containing the desired image or video), tap ➔ Gallery .
5. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

Place devices back to back



Tap the source image

6. Place the two active NFC-enabled devices back to back to begin (1).

Note: If the Touch to beam screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

7. From the Touch to beam screen, tap the reduced image preview to begin the transfer (2).
8. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient will then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap → Gallery.
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.
4. Place the two active NFC-enabled devices back to back to begin.

5. From the Touch to beam screen, tap the reduced image preview to begin the transfer.

   When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video using the built-in camera functionality. Your 13 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

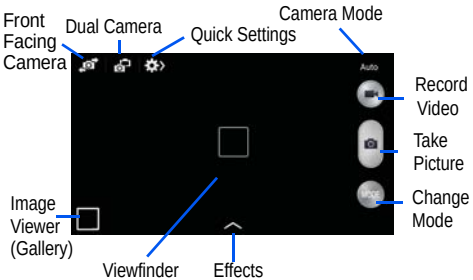
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap ➔ Camera to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the Up and Down Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to the area you touch.

6. Press the Camera key ( ) until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.)



7. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.

8. Press to return to the viewfinder.

Taking Dual Camera Photos

With the Dual Camera feature, you can take a picture with both the front and rear cameras at the same time.

To take a Dual Camera picture:

1. From the camera viewfinder, tap the Dual Camera icon located at the top left side of the screen.

   The camera viewfinder displays an image from the front-facing camera within a postage stamp picture frame on top of the main image displayed from the rear-facing camera.

2. Press the Camera key ( ) to take the picture.

To resize the front camera image:

- Touch and hold the postage stamp picture frame until the resize handles appear, then drag a corner to enlarge the image.

To reposition the front camera image

- Touch and hold the postage stamp picture frame to detach it and then move it to a desired location.

Camera Modes

There are various camera modes that you can use depending on the conditions and your experience.

1. From the camera viewfinder, tap the Mode button to change the mode to one of the following:
   - Auto: Automatically adjust exposure to optimize colour and brightness of pictures.
   - Beauty face: Use this to take photos with softened faces for gentler images.
   - Best photo: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, tap and hold thumbnails of photos to save, and then tap .
   - Best face: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap .
   - Sound & shot: Enrich pictures by adding a few seconds of background sound.
   - Drama: Take a series of pictures of a moving subject and merge them into one picture.
   - Animated photo: Create a picture in which a few selected objects move by freezing or animating moving objects automatically detected by the device.
   - Rich tone (HDR): Use this to take photos with richer colours and contrasts (High Dynamic Range).
   - Eraser: Save the best picture after erasing moving objects from 5 consecutive pictures.
   - Panorama: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
   - Sports: Use this to take photos of subject moving at high speed.
   - Night: Use this to take photos in low-light conditions, without using the flash. Press the Shutter button to take multiple photos. Photos are automatically merged into a single photo.

Quick Settings

Tap at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

Configure Camera settings.

Activate or deactivate the flash.

Auto night detection (adjusts live view).

Activate or deactivate the voice control to take photos.

Select a resolution for videos.

Activate or deactivate the sharing options.

Hide Quick settings.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap ➔ (Camera Settings).
2. The follow settings are located under the Camera, Camcorder, Share, and General tabs. The settings that are displayed will depend on what camera mode you are in.

   Camera:

   - Photo size: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
   - Burst shot: Take multiple shots in quick succession by tapping and holding the Camera key.
   - Face detection: This option places the focus on any faces that are detected when you take a photo.
   - Metering modes: Select the area of the image where exposure is measured (Centre-weighted, Matrix or Spot).

- ISO: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- Anti shake: Compensates for camera movement.
- Auto night detection: Camera detects low light and automatically adjusts live view, allowing you to take pictures at night without using the flash.
- Save as: When using Rich tone (HDR) mode, this option lets you select image versions to save (Rich tone and original or Rich tone only).

Camcorder:

- Video size: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- Video stabilization: Activate or deactivate Optical Image Stabilization.

Settings:

- Location tag: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- Review pics/videos: Set this option if you want to view each picture after you take it. Select a time value.
- Volume key: Choose whether the volume keys act as The Zoom Key, The camera key or The record key.
- Timer: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- White balance: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations.
- Exposure value: allows you to adjust the brightness level by moving the slider.
- Guidelines: Display viewfinder guides to help composition when selecting subjects.
- Flash: Activate or deactivate the flash.

- **Voice control**: Allows you to take pictures using voice commands Smile, Cheese, Capture and Shoot.
- **Contextual filename**: allows you to have your location added as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.
- **Storage**: Select the memory location for storage.
- **Reset**: Reset the camera settings.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 77.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the Home screen, tap ➔ Gallery .
2. Select a folder location and tap a file to open it.
3. With the image displayed, tap (**Edit**) to launch the Photo editor.
4. Select an image area by touching and holding the image and then selecting an available option:
   - **Selection mode**: provides several on-screen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Magnetic, Lasso, Brush, Round, and Square).
   - **Select all**: select the entire area of the current image.
   - **Clipboard**: copies the currently selected are to your device's clipboard.
5. Use the following editor controls to edit your picture:

Previous: move to previous photo project.

Next: move to next photo project.

Rotate: allows you to rotate or flip a photo.

Crop: allows you to crop (cut-out) an area of a photo.

Colour: allows you to Auto adjust colour or set Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue.

Effects: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Funny face, or Spot healing.

Sticker: allows you to place various pre-created on-screen stickers atop your current image.

Drawing: allows you to add draw directly on your current picture by using either a brush/pen or eraser.

Frame: places a pre-created border style atop your current image.

6. Press to access the following options:

- Save as: allows you to rename your current image and save it to your gallery.
- Select image: allows you to select a new image for editing.
- Take picture: allows you to activate the camera and take a new image for editing.
- Share via: allows you to share your saved photo via Bluetooth, ChatON, Dropbox, Email, Flipboard, Gmail, Google+, Group Play, Messaging, Picasa, S Memo, or Wi-Fi Direct.
- Set as: assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, or Lock screen.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap Camera to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
3. Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.
5. You can tap the screen to move the focus to the area you touch.
6. To capture an image from the video while recording, tap . This feature is not available while the anti-shake feature is activated.
7. Tap the Pause key ( ) to pause the recording. To resume recording, tap the Resume key ( ).
8. Tap the Stop key ( ) to stop the recording and save the video file to your Camera folder.
9. Once the file has been saved, tap the image viewer, then tap to play your video.
10. Press to return to the viewer.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 77. Also, see*"Video"* on page 76.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Hangouts
- Google+
- ChatON

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 15.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** ➔ **Compose**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Apps** ➔ **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Contacts.

3. If adding a recipient from your Contacts, tap the contact to place a checkmark then tap DONE.
   The contact will be placed in the recipient field.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

4. Tap the Enter message field and use the on-screen keyboard to enter a message. For more information, refer to *"Entering Text"* on page 54.
5. Review your message and tap Send .

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap Messaging .
2. Before composing a message, press to reveal additional messaging options:
   - Delete: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap DONE.
   - Draft messages: displays the draft messages folder and its contents.
   - Locked messages: displays the locked messages folder and its contents.
   - Scheduled messages: displays the scheduled messages folder and its contents.
   - Spam messages: displays the spam messages folder and its contents.
   - Font size: select a font size for messages.
   - Settings: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 92.
   - Help: View additional information about using messaging.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - View contact: allows you to see information on the recipient. This option only appears if the recipient is in your Contacts list.

- **Add to Contacts**: allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
- **Text templates**: Add text to the message from your text templates.
- **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
- **Add subject**: allows you to add a subject line.
- **Add slide**: allows you to add a new page to a message.
- **Schedule message**: allows you to assign the current message for scheduled delivery at a designated time.
- **Translate**: allows you to use S Translator to translate the message.
- **Discard**: allows you to delete the message.
- **Font size**: allows you to set the text size when messaging.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Image**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **SAVE**.
- **Video**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Record video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. It is then automatically attached to the message.
- **S Memo**: allows you to add a memo that you have created.
- **S Planner**: allows you to add an event from your calendar. Select the desired event and tap **Done**.
- **My Location**: adds the address of your current location to the message.
- **Maps**: allows you to attach a thumbnail of a map showing your location.

- Contacts: allows you to tap on an existing Address Book entry, then add it to your message by tapping DONE.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 38.

   – or –

   From the main Home screen, tap Messaging then tap the new message to view it.

   The selected message appears in the display.
3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To access message thread options:

- From the main Messaging screen, touch and hold the message thread to display the following options:
  - Delete: deletes the currently selected message thread.
  - View contact: displays the Contact's Overview page.
  - Add to Contacts: begins the process of adding the new number to your Contacts list.
  - Add to spam numbers: adds the current sender to a spam list. Any new texts from this sender are automatically blocked.

To access additional Bubble options:

- Touch and hold a message bubble within an active message conversation to display the following options:
  - Delete: deletes the currently selected message bubble from the thread.
  - Copy text: copies the currently selected message bubble from the thread.
  - Forward: allows you to forward the currently selected message bubble to an external recipient.

- **Lock/Unlock**: locks or unlocks the currently selected message bubble from being accidentally deleted.
- **Copy to SIM**: copies the currently selected message bubble as a single text message within the SIM card.
- **View message details**: displays details for the currently selected message bubble.
- **Translate**: Use S Translator to translate the message.

Deleting Messages

Deleting a single message

1. From the main Home screen, tap **Messaging** .
2. Touch and hold a message, then tap **Delete**.
3. At the Delete prompt, tap **DELETE** to delete or **CANCEL** to cancel.

Deleting message threads

1. From the main Home screen, tap **Messaging** .
2. Press ➔ **Delete**.
3. Tap each thread you want to delete. A checkmark will appear beside each thread you select.
4. Tap **DONE**.
5. At the **Delete conversation** prompt, tap **DELETE** to delete or **CANCEL** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap .
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** ➔ ➔ **Settings**.
2. The following Messaging settings are available:
   - **Default messaging app**: Set your default messaging app (Messaging or Hangouts).

- Display:
  - Bubble style: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
  - Background style: allows you to choose from several background styles for your messages.
  - Change font size: allows you to change the text size by using the up or down volume keys.
- Text templates: allows you to edit or add new text templates to use in your messaging.
- Text messages:
  - Delivery reports: Request a delivery report for each message sent.
  - Manage S M card messages: allows you to manage the messages that you have stored on your S M card.
  - Input mode: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.
  - Message center: allows you to enter the number of your Message center where your messages reside while the system is attempting to deliver them.
- Multimedia message (MMS) settings:
  - Delivery reports: Request a delivery report for each message sent.
  - Read reports: Request a read report for each message sent.
  - Auto retrieve: allows the message system to retrieve messages automatically.
  - Roaming auto retrieve: allows the message system to retrieve messages automatically when roaming.
  - Set restrictions: allows you to select the creation mode.

    Restricted: you can only create and submit messages with content belonging to the Core MM Content Domain.

    Warning: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.

    Free: you may add any content to the message.
  - MMS alert: allows you to receive an alert when MMS mode becomes active.
- Delete old messages: deletes old messages when the limit is reached, rather than having them overwritten.
- Push messages (tap slider to turn on):
  - Service loading: Select Always, Prompt or Never.
- Cell Broadcast (tap slider to turn on):

– **Select channels**: allows you to choose the channels that you will receive CB messages on (All channels or My channel).
– **Add channel**: configure a new channel (Channel name and Channel number).

- **Notifications** (tap slider to turn on):
  – **Notification sound**: allows you to set the ringtone for your message notifications.
  – **Vibrate**: allows you to configure the vibration mode associated with message alerts.
  – **Repeat message alert**: allows you to set the interval for new message alerts. Choose from: Once, Every 2 minutes, or Every 10 minutes.
  – **Pop-up display**: show new messages in pop-ups on all screens except the lock screen.
  – **Preview message**: when enabled, allows you to view a preview of new message text on the Status bar.

Signature settings (tap slider to turn on):

- **Add signature**: when enabled, this feature allows you to create a signature at the end of your outgoing text messages.
- **Edit signature**: allows you to enter a desired signature for your message.

Spam filter (tap slider to turn on):

- **Add to spam numbers**: allows you to manually enter and assign a phone number as being sent from a spam source.
- **Add to spam phrases**: allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
- **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap ➔ **Email** .
   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.

5. Tap NEXT.
6. At the Account options screen, configure the options as required.
7. Tap NEXT.
8. Enter a name for this email account (optional).
9. Tap DONE.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap ➔ Email .
   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the Account options field.
3. Enter your password in the Password field.
4. If you want to see your password as it is being typed, tap Show password to create a checkmark.
5. Tap MANUAL SETUP.
6. Tap the MICROSOFT EXCHANGE ACTIVESYNC field.
7. Enter your email address, Domain\User name, Password, and Exchange server. Configure secure connection and client certificate options as required, then tap NEXT.
8. At the Activation prompt, tap OK.
   The Account options screen is displayed.
9. Enter the desired information in the various fields, then tap NEXT.
10. Enter an Account name for this account (Optional) and tap DONE.
    Wait for the Inbox to synchronize before use.
11. Press ➔ Settings to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap ➔ Email .
   Your Email screen displays showing your emails from the active account.
2. Press ➔ Settings ➔ Manage accounts ➔ .

3. Enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 94.

Switching Between Email Accounts

1. From the Home screen, tap ➔ Email .
   Your Email screen displays showing your emails from the active account.
2. Tap .
3. Tap an Email account. The new Email account is displayed.
   You can also select Combined inbox, which displays email messages from all accounts.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail can be configured. Depending on the synchronization settings, Gmail can be automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 8.
2. From the Home screen, tap ➔ Gmail.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap to create a new message.
2. Enter the recipient's Email address in the To field. Separate multiple recipient email addresses by a comma.
3. To add a carbon or blind copy, tap .
4. Enter the subject of this message in the Subject field.
5. Tap the Compose email field and enter your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen after a message has been selected:
   - Archive: archives the selected message.
   - Delete: deletes the message.
   - Mark Unread: after reading a message, marks as unread.
   - Newer: swipe your screen to the right to see newer messages.
   - Older: swipe your screen to the left to see older messages.
3. Press to select one of the following additional options:
   - Move to: move the message to a different Inbox (Primary, Social or Promotions) or Label (Personal, Receipts, Sent items, Travel, Unwanted or Work).
   - Change labels: add a label to aid message sorting (Personal, Receipts, Sent items, Travel, Unwanted or Work).
   - Mark important/not important: allows you to set the importance of a message.
   - Mute: allows you to mute the sound in a message if applicable.
   - Print: Save the message as a PDF or print to compatible Samsung printer.
   - Report spam: allows you to report a message as spam. Touch the UNDO option if you change your mind.

- **Report phishing**: allows you to report a message as phishing. Touch the UNDO option if you change your mind.

Hangouts

Hangouts is a free, web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

1. Log on to your Google account, if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 8.
2. From a Home screen, touch Apps ➔ Hangouts.
3. The first time you access Hangouts, you may be asked to confirm your mobile number. Tap OK or No, thanks.
4. Begin using Hangouts.
5. Drag right and tap Help & feedback for more information on using Hangouts.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 8.
2. From the Home screen, tap ➔ Google+.
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap Add account to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

1. From any Home screen, tap ➔ Settings .

Settings Tabs

The Settings are divided into four main groups. When the Settings screen displays, the following four tabs are located at the top of the screen:

CONNECTIONS:

This tab allows you to see all of settings related to the connection of your device to external sources. Features include: Wi-Fi, Bluetooth, Data usage, More networks (Flight mode, Default messaging app, Printing, Mobile networks, Tethering and mobile hotspot, and VPN), NFC, S Beam, Nearby devices, and Screen Mirroring.

MY DEVICE:

This tab provides access to device configuration and customization features. Features include: Lock screen, Display, LED indicator, Sounds and notifications, Easy mode, Call, Hands-free mode, Power saving mode, Accessories, Accessibility, Language and input, Motions and gestures, Smart screen, Air view, and Voice control.

ACCOUNTS:

This tab provides the ability to create and modify your accounts (Samsung account, Email, etc.) and access Backup and reset features.

MORE:

This tab provides access to the remaining set of device settings not listed under the other three tabs. These include Location services, Security, Application manager, Default applications, Battery, Storage, Date and time, and About device.

Note: The settings for your device are described below in the order that they appear within the Settings menu. Options under the CONNECTIONS tab are listed first, followed by MY DEVICE, ACCOUNTS, and MORE settings.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 151.

Activating Wi-Fi

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON

For more information, refer to *"Connect to a Wi-Fi Network"* on page 151.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Tap the ON/OFF slider to turn Wi-Fi Direct ON.
3. Press , tap Wi-Fi Direct and select a device in the list of available devices.

   For more information, refer to *"Wi-Fi Direct"* on page 153.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Press ➔ Advanced.

   The following options are available:

   - Network notification: alerts you when a new WAP is available.
   - Sort by: sort available connections by Alphabetical order or Signal strength.
   - Keep Wi-Fi on during sleep: allows you to specify when to disconnect from Wi-Fi.
   - Always allow scanning: Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
   - Install certificates: Install authentication certificates.

- MAC address: view your device's MAC address, required when connecting to some secured networks (not configurable).
- IP address: view your device's IP address.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

1. From the Home screen, tap ➔ Settings.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON
   The Bluetooth icon is displayed in the status bar.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Bluetooth.
2. Tap SCAN to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing Bluetooth Devices"* on page 156.
3. Press and select a Bluetooth setting to configure:
   - Visibility timeout: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
   - Received files: Show the list of files received by using Bluetooth.
   - Rename device: Change the displayed Bluetooth device name.
   - Help: Provides additional information on Bluetooth and Bluetooth settings.
4. Tap the checkbox next to Galaxy S4 if you do not want your phone visible to other Bluetooth devices.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Data usage.

2. Tap Mobile data to create a checkmark and turn Mobile data usage on.
3. Tap Set mobile data limit to create a checkmark and allow a data limit to be set.
4. Touch and drag the red Limit bar to the GB limit that you desire.
5. Touch and drag the black Warning bar to the GB limit that you desire.
6. Tap the Data usage cycle drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

7. Press to display additional options. Tap to activate.
   - Restrict background data: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - Show Wi-Fi usage: displays a Wi-Fi tab that shows Wi-Fi use.
   - Mobile hotspots: displays available mobile hotspots.
   - Mobile networks:
     - Mobile data: Turn mobile data use on or off.
     - Data roaming: enables Data roaming on your device.
     - Access point names: View the current access point, add a new access point.
     - Network mode: Change the network mode (WCDMA/GSM auto connect, WCDMA only, GSM only).
     - Network operators: Find available network operators, connect to a specific network.
   - Auto-sync data: allows your accounts to automatically sync

More networks

This option displays additional Connectivity information.

- From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks.

  Options display for Flight mode, Default messaging app. Printing, Mobile networks, Tethering and mobile hotspot, and VPN.

Flight mode

Flight mode allows you to use many of your phone's features, such as Camera and Games, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Flight Mode, it cannot send or receive any calls or access online information or applications.

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1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Tap the Flight mode checkbox to create a checkmark and activate the feature.
3. At the Enable flight mode prompt, tap ENABLE.

   The Flight mode icon is displayed at the top of your screen.

Default Messaging App

Select the default application you want to use for messaging.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Default messaging app.
2. Tap Messaging or Hangouts.

Printing

Enable print service plug-ins.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Printing.
2. Tap Samsung Print Service Plugin.
3. Tap the ON/OFF slider to turn the plugin ON .

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Mobile networks.
2. Tap Mobile data to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Mobile networks.
2. Tap Data roaming to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Mobile networks.
2. Tap Access Point Names.

   A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Mode

Set the type of network connection your phone will use.

- From the Home screen, tap ➔ Settings ➔ Connections ➔ More networks ➔ Mobile networks ➔ Network mode.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

Important! You must deactivate data service prior to searching for an available network.

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1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Mobile networks.
2. Tap Network operators.

   All available networks are displayed, with the current network connection at the top of the list.
3. Tap Search networks to manually search for networks.
4. Tap Select automatically to automatically select a network connection.
5. Tap a network operator to manually register on the network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Tethering and Mobile hotspot

This option allows you to share your phones's mobile data connection via USB or as a mobile Wi-Fi hotspot.

USB tethering

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Tethering and mobile hotspot.
2. Connect your phone to your PC using a USB cable.
3. Tap USB tethering to add a checkmark and activate the feature. The USB tethering icon is displayed at the top of your screen.

Mobile Hotspot

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ Tethering and mobile hotspot ➔ Mobile hotspot.
2. Turn Mobile hotspot on by tapping the slider so that it changes to the ON position .

   The Mobile hotspot icon is displayed at the top of your screen.
3. Press and tap Configure.
4. Enter or edit the Network SSID, Hide my device, Security setting, and Password as required (tap Show password and Show advanced options if you want to see them displayed).
5. Tap SAVE.
6. If you want to allow only specific devices to connect to the hotspot, tap the device name (GALAXY_S4_XXXX where XXXX is four randomly generated digits) and tap Allowed device only.
7. Press for additional options:
   - Allowed devices: Enter the Device name and MAC address for allowed devices.
   - Timeout settings: allows you to set the time your device will be available as a portable Wi-Fi hotspot.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.

2. Find [GALAXY_S4_XXXX] in the Wi-Fi network list and connect to it. XXXX is four randomly generated digits that appear when you set up a Portable Wi-Fi hotspot on your device.

   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

VPN

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Security"* on page 134.
2. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ More networks ➔ VPN.
3. Tap +.
4. At the Add VPN screen, enter a name for the VPN network in the Name field.
5. Select a VPN type from the Type drop-down menu.
6. Enter the Server address and any other required fields that are dependent upon the Type you entered previously.
7. Tap the Show advanced options check box to display additional VPN options.
8. Tap SAVE to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ NFC.
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON .

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ S Beam.
2. Tap the OFF / ON slider to turn S Beam on .
3. Touch the back of your device with another NFC-capable device and the content is transferred.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *“Activating Wi-Fi”* on page 100.
2. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Nearby devices.
3. Tap the OFF / ON slider to turn Nearby devices on .
4. Verify (Nearby devices) appears at the top of the screen.
5. At the Nearby devices prompt, tap OK.
6. Tap Content to share, then check the media you would like to share. Tap OK.
7. Tap Allowed devices, then select the connected devices you would like to allow.
8. Tap Denied devices, then select the connected devices you would like to not allow.
9. Tap Download to, then select the destination of any downloaded (shared) content. Choose from Device or SD card.

10. Tap Receive files from other devices, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Screen Mirroring

The Screen Mirroring feature allows you to share the media files on your device screen with an HDMI device such as an HDMI TV.

Note: This feature requires an optional AllShare Cast dongle, which is available as an accessory. See your Customer Service Representative for more information.

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1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Screen Mirroring.
2. Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
3. Press ➔ Help for information on using Screen Mirroring.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Touch Screen"* on page 6.

Screen Lock

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Lock screen.
2. Tap Screen lock for these options then follow the onscreen instructions to set up your Screen lock:
   - Swipe: Swipe the screen to unlock it.
   - Pattern: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - P N: Select a PIN to use for unlocking the screen.
   - Password: Create a password for unlocking the screen.
   - None: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options will differ depending on the type of Screen Lock you have selected.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Lock screen ➔ Lock screen options.
2. The following options are available depending on the Screen Lock type that you have selected:

Swipe options

- Lock screen widgets allows you to lock the widgets that are displayed on your home screens.
- Camera shortcut set whether the camera shortcut appears on the Lock screen.
- Unlock effect sets the effect you receive when unlocking the phone. You can select None, Ripple effect, or Light effect.
- Help text shows help information on the Lock screen.
- Wake up in lock screen requires that you say a command to wake-up your phone.
- Set wake-up command designates your wake-up commands. Tap Set wake-up command and follow the on- screen prompts to create a new verbal command.

Pattern options

- Lock screen widgets allows you to lock the widgets that are displayed on your home screens.
- Camera shortcut set whether the camera shortcut appears on the Lock screen.
- Make pattern visible allows you to see the pattern as you draw it.
- Lock automatically locks the screen 5 seconds after the screen automatically turns off.
- Lock instantly with power key: screen locks when power key is pressed to turn screen off.

PIN and Password options

- Lock screen widgets allows you to lock the widgets that are displayed on your home screens.
- Camera shortcut set whether the camera shortcut appears on the Lock screen.
- Lock automatically locks the screen 5 seconds after the screen automatically turns off.
- Lock instantly with power key: screen locks when power key is pressed to turn screen off.

Display Settings

In this menu, you can change various settings for the display.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Display.

  The following options display:

  - Wallpaper: allows you to set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to *"Changing the Wallpaper"* on page 36.
  - Notification panel: allows you to set the brightness of your screen from the notification panel and also select the quick setting buttons that you want to display in the notification panel. For more information, refer to *"Notification Bar"* on page 38.
  - Multi window: tap this option to enable/disable the automatic Multi window feature.
  - Screen mode: allows you to select from several different color modes.
  - Reading mode: allows you to activate an optimized reading = mode for selected applications. This menu allows you to assign available applications (such as Calculator, Camera, Contacts, etc.) for enhancement using the Reader mode. Tap the OFF / ON slider to turn Reading mode on
  - Brightness: configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
  - Auto-rotate screen: allows you to switch the display orientation automatically when you rotate the phone.
  - Screen timeout: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
  - Daydream: allows you to control what your screen does when your device is docked or sleeping. Tap the OFF / ON icon next to Daydream to turn it on . Follow the on-screen instructions.
  - Font style: allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
  - Font size: allows you to select which size of font is displayed.
  - Touch key light duration: allows you to adjust the delay before the Touch key light automatically turns off.
  - Display battery percentage: allows you to see the battery charge percentage next to the battery charge icon at the top of the display.

- **Edit after screen capture**: allows you to go edit a screen capture immediately after it is taken.
- **Auto adjust screen tone**: save power by adjusting screen tone according to analysis of images.
- **Auto adjust touch sensitivity**: allows you to adjust the touch sensitivity of your phone automatically.

LED indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ LED indicator.
2. Tap the following LED indicator options to turn them on or off:
   - **Charging**: LED lights up when the device is connected to the charger.
   - **Low battery**: LED lights up when the battery level is low.
   - **Notifications**: LED lights up when you have missed calls, messages, or application events.
   - **Voice recording**: LED lights up when you are recording voice. The LED only lights up when the screen is off.

Sounds and notifications

From this menu you can control the sounds on the phone.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sound.

The following options display:

Sound

The Sound option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications.
2. Touch and drag the sliders to adjust the sound volume for Ringtone, Media, Notifications and System.

Sound Mode

You can change the sound mode.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications ➔ Sound mode.
2. Tap to select a sound mode (Sound, Vibrate or Mute).

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications ➔ Vibration intensity.
2. Touch and drag the slider to adjust the Vibration intensity for Incoming call, Notifications and Haptic feedback.

Vibrate when ringing

Vibration intensity allows you to select whether the phone vibrates when ringing.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications.
2. Tap Vibrate when ringing to add or remove a checkmark.

Ringtones

This option allows you to set the ringtone.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications.
2. Tap Ringtones.
3. Tap a ringtone and tap OK.

   – or –

   Tap Add to select a file from your music files. Tap DONE.

Vibrations

This option allows you to select a vibration pattern.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications.
2. Tap Vibrations.
3. Select a vibration pattern and tap OK.

   – or –

   Tap CREATE and follow the on-screen instructions to create your own vibration.

Notification ringtone

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications.
2. Tap Notification ringtone.
3. Tap a ringtone and tap OK.

Other sounds

Select sound and vibration options for various screen operations.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Sounds and notifications ➔ Other sounds.
2. Tap any of the following options to create a checkmark and activate the feature:
   - Dialing keypad tone: makes a sound when you tap a key on the keyboard.
   - Screen lock sound: makes a sound when your screen is locked or unlocked.
   - Touch sounds: makes a sound when you touch the screen.
   - Haptic feedback: makes a vibration when you tap soft keys and on certain UI interactions.
   - Sound when tapped: makes a sound when the keyboard is tapped.
   - Vibrate when tapped: makes a vibration when the keyboard is tapped.
   - Call: adjust settings for Ringtone and sound or Voicemail. For more information, refer to *"Call"* on page 115.
   - Message: adjust message notification settings.
   - Email: select sounds for Priority senders.
   - S Planner: set Event notification sounds.

Do not disturb

When Do not disturb is enabled, notifications for selected features will be disabled. You will only receive notifications from people on your allowed list.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Do not disturb.
2. Touch and slide the DO not disturb slider to the right to turn it on
   Confirm that the Do not disturb active icon appears in the Status bar.
3. Tap Allow exceptions then tap the selection box to place a checkmark adjacent to those features you would like to enable. Choose from: Alarms, Calls, Messages, Events and reminders, and Application notifications. Tap Allowed contacts to assign the contacts that are subject to the exception. Choose from All, Favourite contacts only, or Contacts only.

4. To configure a timeframe for these features to be active, tap **Scheduling** to place a checkmark in the selection box then set **Days**, **Start time** and **End time** as required.

While locked

Set whether sensitive content and notifications are shown on the lock screen.

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Sounds and notifications** ➔ **While locked**.
2. Tap **Show all content**, **Hide sensitive content**, or **Do not show notifications** to activate the feature.

Application notifications

Modify notification settings for individual applications.

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Sounds and notifications** ➔ **Application notifications**.
2. Tap an application.
3. To block all notifications from the application, tap **Block** to move the OFF / ON slider to on .
4. To show notifications from the application at the top of the notification panel, tap **Set as priority** to move the OFF / ON slider to on .

Notification access

Set which applications are permitted to read notifications.

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Sounds and notifications** ➔ **Notification access**.
2. Tap any of the listed applications to create a checkmark and allow notification access, or remove the checkmark and not allow access.

Adapt Sound

The Adapt sound feature allows you to customize your sound level during calls and while playing music.

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Sounds and notifications** ➔ **Adapt Sound**.
2. Read the instructions and tap **START**.
3. Follow the on-screen instructions to set up your personal call sound.

Easy mode

Easy mode allows you to set your display to the standard layout or provide an easier user experience for first-time smartphone users.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Easy mode.
2. Tap to select one of the following options:
   - Standard mode: provides conventional layout for the apps and widgets on your home screens.
   - Easy mode: provides a simpler home screen layout and straightforward application interactions.
3. Tap DONE.

Call

To access the Call settings menu:

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call.

  – or –

- From the Home screen, tap ➔ Keypad or Logs ➔ ➔ Settings ➔ Call.

Call rejection

1. From the Call settings screen, tap Call rejection.
2. Tap Auto reject mode and tap one of the following options:
   - Off: calls are not rejected.
   - All incoming calls: to reject all calls.
   - Auto reject numbers: to reject all calls in your Reject list.
3. Tap Auto reject list.
4. Tap to manually add numbers to the Reject list.
5. Tap Unknown to create a checkmark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Reject messages.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap SAVE to save the reject message.

Answering and ending calls

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Answering and ending calls.
2. The following options are available:
   - Pressing the home key: Tap this option to be able to accept incoming calls by pressing the Home key.
   - Voice control: Tap this option to be able to accept incoming calls by using your voice.
   - Pressing the power key: This option will allow you to end a call by pressing the power key without turning off the screen.

Turn off screen during calls

This option uses the proximity sensor to turn off the screen when the phone is held near your face during a call, saving power.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Turn off screen during calls to create a checkmark and enable the feature.

Call alerts

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Call alerts.
2. Tap the following options to create a checkmark and activate the features:
   - Vibrate when answered: enables your phone to vibrate when the called party answers the phone.
   - Vibrate when call ends: enables your phone to vibrate when the call ends.
   - Call connect tone: plays a tone when a call is connected.
   - Minute minder: beeps twice every minute that you are on a call.
   - Call end tone: plays a tone when a call is ended.
   - Notify during calls: turns on alarm and message notifications during a call.

Call Accessories

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Call accessories.
2. The following options are available:
   - Automatic answering: configures the device to automatically answer and incoming call when a headset is detected.
   - Automatic answering timer: configures the time delay before the device automatically accepts the incoming call.

- **Outgoing call conditions**: allows you to make calls even when the device is locked.

More settings

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ More settings.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
   - **Call forwarding**: allows you to forward your calls to another number.
   - **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls. Enter a code and tap OK.
   - **Call barring**: allows automatically blocking All outgoing calls, International calls, Int'l (International) calls except home, All incoming calls, or ALI incoming calls when roaming.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Fixed Dialing Numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.
   - **TTY mode**: TTY (teletypewriter) mode allows connection of a TTY phone used by people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by text conversation.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Additional settings ➔ Fixed Dialing Numbers.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.
   FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Additional settings ➔ Fixed Dialing Numbers.
2. Tap Change P N2.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Additional settings ➔ Fixed Dialing Numbers.
2. Tap FDN list.
3. A list of all existing FDN numbers will be displayed.

Ringtones and keypad tones

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Ringtones and keypad tones.
2. Tap Ringtones, select a ringtone, and tap OK.
3. Tap Vibrations, select a vibration type, and tap OK.
4. Tap Vibrate when ringing to create a checkmark if you want your phone to vibrate when a call is incoming.
5. Tap Dialing keypad tone to create a checkmark if you want tones to play when the keypad is pressed.

Personalize call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Personalize call sound.
2. At the Personalize call sound display, tap one of the following options:

- **Adapt sound**: allows you to customize your sounds. Follow the on-screen instructions to set up your personal call sound.
- **Soft sound**: plays a softer sound when the other party is in a noisy environment.
- **Clear sound**: plays a clearer sound when the other party sounds unclear or muffled.
- **Off**: turns off your customized call sound and plays the default sounds.

Noise reduction

This option helps to suppress background noise from your side during a call.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Noise reduction to create a checkmark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Increase volume in pocket to create a checkmark and enable the feature.

Internet call settings

Use Internet calling

Choose when to use Internet calling.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Use Internet calling.
2. Select **For all calls** or **Only for SIP calls**.

Receive Internet calls

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call.
2. Tap **Receive incoming calls** to enable reception of incoming Internet calls.

Voicemail

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Service provider.

   Voicemail service provided by your carrier is the default.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Voicemail settings.

2. Tap the Voicemail number field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap Done.
3. Tap OK.

Alert sound

This option allows you select the sound played when you receive a voicemail message.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Alert sound.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap OK.

Vibrate

This option allows you select vibration settings for voicemail notification.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Call ➔ Vibrate to create a checkmark and enable the feature.

Hands-free Mode

When Hands-free mode is enabled, incoming calls and notifications will be read out automatically.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Hands-free mode.
2. Tap the OFF / ON icon next to Hands-free mode to turn it on .

   Confirm that the Hands-free mode active icon appears in the Status bar.

   All incoming calls and notifications will be read out automatically.
3. The following options are available:
   - Incoming call: read out callers' information when receiving incoming calls.
   - Air call-accept: wave your hand over the screen to accept incoming calls.
   - Messages read out senders' information when receiving incoming calls.
   - Alarm: read out alarm information when alarms sound.
   - Schedule: read out scheduled alarm information when alarms sound.

4. You can disable Hands-free mode by saying “Hands-free mode off” while in S voice, by accessing the Settings menu and sliding the Hands-free mode slider to the off position , or by using the Notification panel.

Power Saving Mode

Power saving mode allows you to manage your phone to conserve power.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Power saving mode.
2. Tap the OFF / ON icon next to Power saving mode to turn it on .
3. Tap the following options to create a checkmark and conserve power:
   - CPU performance: allows you to limit the maximum performance of the CPU.
   - Screen output: allows you to lower the screen power level.
   - Disable haptic feedback: allows you to turn off vibration when you tap or touch the screen.
4. Tap Learn about Power saving mode to learn about various ways to conserve battery power.

Accessories

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Accessories.
2. Tap Dock sound to play sounds when inserting or removing the phone from the dock.
3. Tap Audio output mode to use the external dock speakers when the phone is docked.
4. Tap Desk home screen display to display the desk home screen whenever the phone is docked.
5. Tap Automatic unlock to unlock the screen when the cover is opened.
6. Tap Show in-call screen to turn on the screen automatically when you move the device away from your ear during a call.
7. Tap Audio output to set your Audio output to Stereo or Surround.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Accessibility.
2. The following options are available:
   - Vision:
     – Switch access: Allows you to control your device using configurable key combinations.
     – TalkBack: activate the TalkBack feature. TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.
     – Dark screen: allows you to keep your screen turned off at all times until you double press the Power key to turn the feature off. The TalkBack feature must be enabled.
     – Rapid key input: allows you to release your finger rather than double tapping to enter a selection when using the TalkBack feature.
     – Speak passwords: reads out password information. he TalkBack feature must be enabled.
     – Font size: change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
     – Magnification gestures: use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen. Tap the slider to turn it on .
     – Notification reminder: plays a beep when you have unread notifications. Tap the slider to turn it on
     – Negative colours: reverse the display of on-screen colours from White text on a Black background to Black text on a White background.
     – Colour adjustment: allows you to adjust the display colours if you are colour blind and have difficulty reading the display because of the colors. Tap the slider to turn it on . Follow the on-screen instructions.

– **Accessibility shortcut**: allows you to quickly enable accessibility features. Tap the slider to turn it on . Follow the on-screen instructions.

– **Text-to-speech options**: allows you to adjust your text-to-speech settings. For more information, refer to *"Google voice typing settings"* on page 126.

• Hearing:

– **Flash notification**: allows you to set your camera light to blink whenever you receive a notification.

– **Turn off all sounds**: allows you to mute every sound made by the device during taps, selections, notifications, etc.

– **Hearing aids**: allows you to improve the sound quality of your device for use with hearing aids.

– **Samsung subtitles (CC)**: allows you to turn on subtitles when using applicable Samsung apps. Assistant menu: allows you to improve the device accessibility for users with reduced dexterity. Tap the slider to turn it on . Follow the on-screen instructions.

– **Google subtitles (CC)**: allows you to turn on subtitles when using applicable Google apps. Tap the slider to turn it on Follow the on-screen instructions.

– **Sound balance**: allows you to use the slider to set the Left and Right balance when using a stereo device.

– **Mono audio**: allows you to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.

• Dexterity and interaction:

– **Assistant menu**: allows you to improve the device accessibility for users with reduced dexterity. Tap the slider to turn it on . Follow the on-screen instructions.

– **Tap and hold delay**: allows you to select a time interval for this action. Choose from: Short, Medium, Long, or Custom.

– **Interaction control**: allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Tap the slider to turn it on Follow the on-screen instructions.

• **Direct access**: allows you to open the Accessibility settings by pressing the Home key 3 times in quick succession. Tap the slider to turn it on . Select the settings that you want to open to create a checkmark.

- **Answering and ending calls**: allows you to set up the manner in which you accept incoming calls. Tap a selection to create a checkmark.
- **Single tap mode**: allows you to dismiss or snooze alarms, calendar events and timer alerts, and answer or reject incoming calls with a single tap.
- **Manage accessibility**: save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.

Language and input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

Language

You can change the language used by your device by following these steps:

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Language and input** ➔ **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Language and input**.
2. Tap **Default** and select a keyboard.

   Samsung keyboard is the only pre-installed keyboard.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap ➔ **Settings** ➔ **MY DEVICE** ➔ **Language and input**.
2. Tap **Samsung keyboard**.
3. Set any of the following options:
   - **Input languages** settings is used to setup the language you will be using for input.
     - **English** is the default language. Whatever language you select in the Select input languages option below, will be displayed here.
     - **Select input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.

- **Smart typing settings** provides access to additional typing settings.
  - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Tap the slider to turn it on
  - **Auto replace** automatically completes or replaces the current word with the most probable word match after tapping the space bar or entering a punctuation mark. Tap the slider to turn it on .
  - **Auto capitalize** automatically capitalizes the first letter of the first word in each sentence (standard English style).
  - **Auto spacing** automatically inserts space between words.
  - **Auto punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
- **Keyboard swipe**: allows you to combine the Samsung keyboard with an additional input method. Choose from:
  - **None** leaves text input as only via the on-screen keyboard.
  - **Continuous input**: like using Swipe, allows you to enter text by sliding your fingers across the on-screen keyboard. This feature is optimized for use with the on-screen QWERTY keyboard.
  - **Cursor control** when enabled, allows you to control your on-screen cursor by moving your finger across the keyboard.
- **Key-tap feedback** provides feedback functions to be enabled such as:
  - **Sound** enables auditory feedback when you tap an on-screen key.
  - **Vibration** enables vibration feedback when you tap an on-screen key.
  - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **More settings** provides access to additional access to more settings.
  - **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Language and input.
2. Tap the icon next to Samsung keyboard.
3. Tap the ON/OFF slider, located to the right of the Predictive text field, to turn it ON
4. Tap Predictive text.
5. The following options are available:
   - Live word update allows the device to automatically update its word database with popular new words every day.
   - Personalized data: allows you to use personal language that you have added to make your prediction results better.
   - Learn from Facebook: allows you to login to your Facebook account so your phone can learn your Facebook style.
   - Learn from Gmail: allows you to login to your Gmail account so your phone can learn your Gmail style.
   - Learn from Twitter: allows you to login to your Twitter account so your phone can learn your Twitter style.
   - Learn from Messages: allows your device to learn from your Messages.
   - Learn from Contacts: allows your device to learn from your Contacts.
   - Clear server data: deletes anonymous data that is stored on the personalization server.
   - Clear personalized data: removes all personal data that you have entered.
   - Privacy policy: click the link to read the privacy policy. Follow the on-screen instructions.

Google voice typing settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Language and input.
2. Tap the icon next to Google voice typing.
3. The following options are available:
   - Languages: tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.
   - "OK Google" detection: Enable voice search launch by saying the words "OK Google".
   - Speech output: Sets whether you will use speech output always or only when using hands-free.

- **Offline speech recognition**: Enables voice input while offline.
- **Block offensive words**: tap to create a checkmark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
- **Bluetooth headset**: allows you to record audio through a Bluetooth headset when available.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Language and input.
2. Tap **Voice input** and select a voice input service:
   - **Enhanced Google services**: Full hotword and interaction capabilities.
   - **Basic Google recognition**: Simple speech to text.
3. Tap next to the preferred voice input service to configure Google voice settings.

Pointer speed

This option sets your Pointer speed.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Language and input.
2. Tap **Pointer speed** then drag the slider to the right to make the pointer move faster or to the left to go slower.
3. Tap **OK** to save your setting.

Motions and Gestures

The Motions and Gestures settings allow you to set up various Motion activation services. For more information on using gestures, see *"Using Motions and Gestures"* on page 26.

- From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Motions and gestures.

Air gesture

Air gesture allows you to control your device by performing motions above the sensor.

1. From the Motions and gestures screen, tap **Air gesture**.
2. Tap the ON/OFF icon at the top of your screen to activate Air gesture.
3. Tap **Learn about the sensor and the icon** to learn more about the Air gesture sensor and its location.
4. The following Air gesture features are available:

- **Quick glance**: when your screen is off, reach towards your device and it will display information such as time, date, missed calls, incoming messages, and battery strength. Tap the ON/OFF icon to turn it on.
- **Air browse**: move your hand to the right or left above the sensor to move to the previous or next item such as pictures or web pages. Tap the ON/OFF icon to turn it on.
- **Air move**: use one hand to press and hold an icon then move your other hand to the left or to the right above the sensor to move the icon to another page. You can also use this feature in your calendar to move events to another day. Tap the ON/OFF icon to turn it on.
- **Air call-accept**: wave your hand above the sensor to accept an incoming call. Tap the ON/OFF icon to turn it on.

5. Press ➔ **Help** for additional information.

Motion

Motion allows you to control your device by performing natural movements.

1. From the Motions and gestures screen, tap **Motion**.
2. Tap the ON/OFF icon at the top of your screen to activate Motion.
3. The following options are available:
   - **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear. Tap the ON/OFF icon to turn it on.
   - **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages. Tap the ON/OFF icon to turn it on.
   - **Zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out. Tap the ON/OFF icon to turn it on.
   - **Browse an image**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally. Tap the ON/OFF icon to turn it on.
   - **Mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. Tap the ON/OFF icon to turn it on.
4. Press ➔ **Help** for additional information.

Palm motion

Palm motion allows you to control your device by touching your screen with the palm of your hand.

1. From the Motions and gestures screen, tap Palm motion.
2. Tap the ON/OFF icon at the top of your screen to activate Palm motion.
3. The following options are available:
   - Capture screen: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard. Tap the ON/OFF icon to turn it on.
   - Mute/pause: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound. Tap the ON/OFF icon to turn it on.
4. Press ➔ Help for additional information.

Smart screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Smart screen.
2. Tap any of the following options to create a checkmark and activate the features:
   - Smart stay: disables the screen timeout if your phone detects that your face is watching the screen.
   - Smart rotation: disables the auto screen rotation by checking the orientation of your face and the device.
   - Smart pause: pauses videos when your device detects that your head has moved away from the screen.
3. Tap the ON/OFF icon to the right of the Smart scroll field to activate the feature. With Smart scroll, the screen will scroll depending on the phone's tilt angle once your eyes have been detected.

Air view

With the Air view feature, you can hover your finger over the screen and Air view features will be displayed. For example, you can hover your finger over a scheduled item in your calendar to see more details.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Air view.
2. Tap the ON/OFF icon at the top of your screen to activate Air view.
3. The following options are available. Tap an option to create a checkmark and activate the feature.
   - Information preview: allows you to see information previews, extended text, and enlarged images when you hover your finger over the screen. Tap the ON/OFF icon to turn it on.
   - Progress preview: allows you to preview a scene or show elapsed time when you hover your finger over the progress bar while watching a video. Tap the ON/OFF icon to turn it on.
   - Speed dial preview: allows you to see the contacts and their speed dial numbers when you hover your finger over them in your contacts list. Tap the ON/OFF icon to turn it on.
   - Webpage magnifier: allows you to see magnified links on webpages when you hover your finger over them. Tap the ON/OFF icon to turn it on.
   - Sound and vibration feedback: allows you to play sound and feel vibration when you hover your finger over Air view items. Tap the ON/OFF icon to turn it on.

Voice control

The Voice control settings allow you to set up voice commands to control your device.

1. From the Home screen, tap ➔ Settings ➔ MY DEVICE ➔ Voice control.
2. Tap the ON/OFF icon at the top of your screen to activate Voice control.
3. The following options are available. Tap an option to create a checkmark and activate the feature.
   - Incoming calls: allows you to answer or reject calls using the commands “Answer” and “Reject”.
   - Alarm: allows you to stop or snooze an alarm by using the commands “Stop” and “Snooze”.

- Camera: allows you to take pictures using the voice commands “Smile”, “Cheese”, “Capture”, or “Shoot.”, or record videos using the voice command “Record video”.
- Music: allows you to control your Music player using the voice commands “Next”, “Previous”, “Pause”, “Play”, “Volume up”, and “Volume down”.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

Add Account

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Add account.
2. Tap one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the Accounts section of the main Settings menu.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS.
2. In the My Accounts section, tap an account type.
3. Tap the account name.
4. Press ➔ Remove account, then tap REMOVE ACCOUNT at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS.

2. In the My Accounts section, tap the account type.
3. Tap the account name.
4. Press ➔ Sync now to synchronize your account or tap SYNC ALL to synchronize all your accounts. Tap CANCEL SYNC to stop the synchronization.
5. Tap Settings to access your account settings.

Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Cloud.

Backup and reset

The Backup and reset settings allow you to back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Backup and reset.
2. Tap Back up my data to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the Back up my data option, then the Backup account option is available.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Back up and reset.
2. Tap Backup account and tap your Google Gmail account or tap Add account to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Back up and reset.
2. Tap Automatic restore to enable or disable automatic restoration of settings and data from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap ➔ Settings ➔ ACCOUNTS ➔ Back up and reset.
2. Tap Factory data reset.

   The Factory data reset screen displays reset information.
3. Tap RESET DEVICE, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

Location

The Location settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Location.
2. Tap the ON/OFF slider to turn it on.

Locating Method

1. From the Home screen, tap ➔ Settings ➔ More ➔ Locations ➔ Mode.
2. Tap one of the following to make a selection:
   - **High accuracy**: Use GPS, WI-Fi and mobile networks to estimate your location.
   - **Power saving**: Use Wi-Fi and mobile networks to estimate your location.
   - **GPS only**: use GPS to estimate your location.

My Places

Your device can provide relevant information and services by recognizing when it is in a specific location.

1. From the Home screen, tap ➔ Settings ➔ More ➔ Locations ➔ My places.
2. Tap **Home**, **Work**, or **Car** to add place.

   – or –

   Tap and enter a place name.
3. Tap **Select method** and select how the device should recognize the location (Map, Wi-Fi, Bluetooth or None).

Security

The Security settings allow you to determine the security level for your phone.

Device Administration

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

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1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Device administrators.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install applications from locations other than Play Store and Samsung Apps.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Unknown sources.

   A check mark is displayed to indicate it is active.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected.

Note: You must first set up a screen lock type if you haven't already done so. For more information, refer to *"Screen Lock"* on page 108.

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1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Encrypt device. For more information, read the displayed help screen.
3. Tap Encrypt external SD card to enable the encryption of SD card data, which requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent or the charger is connected. Encryption may take an hour or more.

Find my mobile

Remote controls

Remote controls can track and control your device remotely. Also, using the Find my mobile feature, you can find your missing phone. See findmymobile.samsung.com for more information.

To enable remote controls:

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security ➔ Remote controls.
2. Tap OK.
3. Tap the ON/OFF slider to turn Remote controls on.

SIM Change Alert

SIM Change Alert sends an SMS message to preset phone numbers if your phone is ever turned on with a different SIM card in it.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security ➔ SIM Change Alert.
2. Tap Sign in and sign in to your Samsung account.

   – or –

   Tap Create account and set up a Samsung account.

3. Tap the ON/OFF slider to turn SIM Change Alert on.
4. Tap Alert message, enter the message to be sent, and tap OK.
5. Tap CREATE to enter the phone number to receive the SMS message or CONTACTS to select a number from your contact list.
6. Enter the number and tap OK, or select the number and tap Done.

7. Tap Save.

Note: Requires a Samsung account.

Go to website

Opens the Find My Mobile website (findmymobile.samsung.com)

where you can find more information and sign up for the service.

SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Set up SIM card lock.
3. Tap Lock SIM card, enter your SIM PIN code, then tap OK.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

4. Tap Change S M PIN.
5. Enter your old SIM PIN code and tap OK.
6. Enter your new SIM PIN code and tap OK.
7. Re-type your new SIM PIN code and tap OK.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.

2. Tap Make passwords visible to create a checkmark and enable or disable the display of password characters.

Security policy updates

When you activate this feature, your phone will automatically check for changes to the security policy and download any updates to improve security and service.

1. From the Home screen, tap ➔ Settings ➔ More ➔ Security.
2. Tap Security policy updates to create a checkmark and activate the feature.

Send security reports

When you activate this feature, your phone will automatically send security reports to Samsung via Wi-Fi for threat analysis.

1. From the Home screen, tap ➔ Settings ➔ More ➔ Security.
2. Tap Send security reports to create a checkmark and activate the feature.

Storage type

This option allows you to select where you will back up your credentials.

1. From the Home screen, tap ➔ Settings ➔ More ➔ Security ➔ Storage type.
2. Select the backup storage location for your credentials.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Trusted credentials.

   The trusted credentials screen has two tabs:

   - SYSTEM: Displays CA certificates that are permanently installed in the ROM of your device.
   - USER: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.
3. Tap a CA certificate to examine its details.

   A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and tap DISABLE to disable a System certificate or REMOVE to remove a User certificate.

Caution! When you disable a system CA certificate, the DISABLE button changes to ENABLE, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

5. Tap OK to return to the certificate list.

When enabled, a check mark appears in the check box.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.
2. Tap Install from device storage, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security.

Tap Clear credentials to remove all certificates.

Advanced

Trust agents

View or deactivate trust agents.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security ➔ Trust agents.
2. Tap the ON/OFF slider to turn trust agents on or off

Apps with access to usage data

View which applications can access your device's usage history.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security ➔ Apps with access to usage data.

When enabled, a check mark appears in the check box.

Smart Lock

View which applications can access your device's usage history.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Security ➔ Smart Lock.
2. To add a trusted device to keep the device unlocked when connected, tap Trusted devices ➔ ADD TRUSTED DEVICE.
3. To add a trusted place, tap Trusted places. Select a location from Google Maps (Home or Work), or tap Add trusted place to create a custom place.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, you operate this device at your own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Application manager.
2. Tap DOWNLOADED, RUNNING, or ALL to display memory usage for that category of applications.

   The graph on the Running tab shows used and free device memory.

Downloaded

Displays apps you have downloaded onto your device.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Application manager.
2. Tap the DOWNLOADED tab to view a list of all the downloaded applications on your device.

3. To switch the order of the lists displayed in the Downloaded tabs, press ➔ Sort by size or Sort by name.
4. To reset your application preferences, press ➔ Reset app preferences.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

5. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Application manager.
2. Tap the RUNNING tab. All the applications that are currently running on the device display.
3. Tap SHOW CACHED PROCESSES to display all the cached processes that are running. Tap SHOW SERVICES IN USE to switch back.
4. Tap any application to view application information. The following options display:
   - STOP: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

   - REPORT: Report failure and other application information.

Note: Options vary by application.

Battery

See how much battery power is used for device activities.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Battery.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

2. Tap Screen, Cell standby, Android OS, Android System, Wi-Fi, Phone, or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see *"Memory Card"* on page 40.

To view the memory allocation for your external SD card:

- From the Home screen, tap ➔ Settings ➔ MORE ➔ Storage.The available memory displays under the Total space and Available space headings for both Device memory and SD card.

SD card

Unmount

- To unmount your SD card so that you can safely remove it, tap Unmount SD card then tap OK.

Format

To format your SD card:

1. Tap Format SD card. This will delete all data on your SD card including music, videos, and photos.
2. Tap FORMAT SD CARD.
3. Tap ERASE EVERYTHING to continue or press to cancel.

Note: The Format SD card option is only available when an SD card is mounted.

Date and time

This menu allows you to change the current time and date displayed.

To automatically maintain the date and time:

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Date and time.
2. Tap Automatic date and time to allow the network to set the date and time.
3. Tap Automatic time zone to allow the network to set the time zone.

To manually set the date and time:

Important! Automatic date and time must be deactivated in order to manually set the time and date.

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1. Tap Automatic date and time and Automatic time zone to remove checkmarks from the selection boxes and disable automatic setting of the date and time.
1. Tap Set date and tap the up and down arrows to set the Month, Day, and Year then tap Set.
2. Tap Set time and tap the up and down arrows to set the Hour, Minute, and PM/AM, then tap Set.
3. Tap Select time zone, then tap a time zone.
4. Optional: Tap Use 24-hour format. If this is not selected the phone automatically uses a 12-hour format.
5. Tap Select date format and tap the date format type.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ About device.
2. The following information displays:
   - Software update: allows you to update your phone software, if available. For more information, refer to *“Software Update”* on page 143.

- **Status**: displays the Battery status, Battery level (percentage), Network, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, the phone number for this device (My phone number), IMEI number, IMEI SV number, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
- **Legal information**: This option displays information about Open source licences as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press to return to the Settings menu.
- **Report diagnostic info**: allow Samsung to collect diagnostic and usage data from your device.
- **Device name**: displays the current device name and allows you to change the device name.
- **Model number**: displays the phone's model number.
- **Android version**: displays the android version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software, build number.
- **SE for Android status**: displays the status of SE (Security Enhanced) for Android, a set of security policies/modules that is applied to the device to improve the overall security.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your service representative.

Software Update

The Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap ➔ **Settings** ➔ **MORE** ➔ **Software update**.
2. Tap **Update now** to check for updates.

The phone automatically updates the software (if available) or displays the prompt **The latest updates have already been installed.**

3. To allow automatic software updating, tap Auto Update to place a checkmark in the selection box.

Section 9: Connections

This section describes the various connections your phone can make, including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap Internet .

  The default homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. If menu items are not displayed, tap and drag down on the screen.
5. To return to a previous page, press .
6. To move forward to a web page, press .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser. After tapping on a link or article, use one of these methods:

- Tilting: Tap and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *"Motions and Gestures"* on page 127.
- Double tap: Quickly tap the screen twice on the web page to zoom in or out.
- Pinching: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Browser Options

1. From any webpage, press to access the following options:
   - New Tab: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Tabs"* on page 147.

- **Add to Quick access**: allows you to add a URL to your Quick access list
- **Add shortcut on home screen**: allows you to add a shortcut to your Home screen.
- **Save webpage**: allows you to save the page image to the Saved pages folder.
- **Share via**: allows you to share the page using Messaging, Gmail, Email, ChatON, Hangouts, Dropbox, Android Beam, Bluetooth, Copy to clipboard, Drive, Flipboard, Google+, Quick connect, S Memo, or Wi-Fi Direct.
- **Find on page**: allows you to search in the current page.
- **Incognito mode**: pages viewed in incognito mode won't appear within your browser history or search history, and no traces (such as cookies) are left on your device. For more information, refer to *"Going Incognito"* on page 147.
- **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a desktop computer).
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 149.
- **Help**: allows you view additional information concerning the Internet application

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. From any webpage, tap the URL field at the top of the screen.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.
3. Tap a link to view the website.

Adding and Deleting Tabs

You can have up to eight Internet windows open at one time. To add a new tab, follow these steps:

1. From your browser, press ➔ New Tab.
   A new browser window is opened.
2. Tap (Tabs) to see thumbnails of all open windows.
3. Tap a listing to open up that Internet tab.
4. Tap at the top right corner of the web page thumbnail to delete the tab.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser, press ➔ Incognito mode.
2. At the information prompt, tap OK.
3. A new browser window displays.

To exit from the incognito window:

1. From your browser window, tap (Tabs).
2. Scroll through the available tabs and locate the incognito window. The incognito icon appears in the upper-left of browser tabs operating in this mode.
3. Tap next to the incognito listing to delete this tab.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed on the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From any webpage, tap (Bookmarks).
   The Bookmarks page is displayed.
2. Press to display the following options:
   - Select: Select one or more bookmarks.
   - View as: Select Grid (default) to view a thumbnail of the webpage with the name listed, or select List to view a list of the bookmarks with Name and URL listed.
   - Create folder: Creates a new folder in which to store new bookmarks.

- **Change order**: Rearranges the current bookmarks.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark then select for the following options:
   - **Share via**: Allows you to share a URL address using many different options.
   - **Edit**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 148.
   - **Move to folder**: move the bookmark to a storage folder.
   - **Add to Quick access**: Add the bookmark to the Quick access list.
   - **Add shortcut on home screen**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
   - **Set as homepage**: Sets the bookmark as your homepage.

Adding Bookmarks

1. From any webpage, tap ➔ .
2. Use the on-screen keypad to enter the Name, Address, and Location.
3. Tap SAVE.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap ➔ Edit.
3. Use the on-screen keypad to edit the Name, Address, and Location.
4. Tap SAVE.

Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap .

Emptying the Cookies

A cookie is a small file that is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From any webpage, press ➔ Settings ➔ Privacy ➔ Delete personal data.

2. Tap Cookies and site data to create a checkmark.
3. Tap DELETE.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From any webpage, tap ➔ History.

   A list of your most recently visited websites is displayed with Name and URL address.
2. Tap on a category such as Today, Yesterday, Last 7 days, or Last month.
3. Tap any entry to display the webpage.
4. Press ➔ Clear history to delete the History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From any webpage, tap .

   A list of your saved webpages is displayed with Name and URL address. The webpages that have been visited the most will appear at the top.
2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. From any webpage, tap ➔ Settings.
2. The following options are available:

   Manage accounts: select the types of data you want to sync.

   Set Homepage: sets the current home page for the Web browser.

   Status bar: select whether to always show the status bar.

   Auto hide toolbar: select whether to hide the up/down toolbar when scrolling pages.

   Privacy:

   - Accept cookies: Allows sites to save and read cookies from your device.
   - Enable location: Allows websites to request access to your location.
   - Suggest search terms and URL: displays predictions of related queries and popular websites in the address bar as you type.

- Remember form data: remember data typed into forms for later use.
- Remember passwords: save usernames and passwords for visited sites.
- Sign-in information: manage usernames and passwords saved for websites.

Delete personal data: allows you to delete all personal data such as Browsing history, Cache, Cookies and site data, Passwords, Auto-fill data, and Location access.

Advanced:

- Auto-fill forms: allows you to enter text to be used in your web profile. Tap Add profile, then enter text for the Web form auto fill.
- Legibility
  - Text scaling: allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
  - Force zoom: allows you to override the website's request to control zoom.
  - Text booster: allows you to view PC websites easily by boosting the text size. Note: the layout may change as a result.
- Content settings
  - Enable JavaScript: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
  - Block pop-ups: Prevents popup advertisement or windows from appearing on-screen. Remove the checkmark to disable this function.
  - Default storage: Allows you to set your default storage to Device or Memory card.
  - Websites: View advanced settings for individual websites.
  - Enable notifications: Allows website notifications. Select Always on, On demand, or Off.
  - Reset notifications: Deletes website notification access information.
  - Reset settings: Restores all settings to default.
- Data usage management
  - Preload webpages: Allows the browser to preload pages in the background. You can set to Always, Only on Wi-Fi, and Never.
  - Load images: Allows web page images to be loaded along with the other text components of a loaded website.

– Page overview: Displays an overview of newly opened web pages.
– Preload available links before opening: allows you improve performance when loading pages.

Wi-Fi

About Wi-Fi

Wi-Fi (short for “wireless fidelity” and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) or Secured (requiring knowledge of the router name and password).

Turning Wi-Fi On

By default, your device’s Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON

Connect to a Wi-Fi Network

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.

   The network names and security settings (Open network or Secured) for detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap the network you want to use.

Note: When you select an open network, you will be automatically connected to the network.

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3. Enter a wireless password if necessary.

Manually add a network connection

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Tap Add Wi-Fi network.
3. Enter the Network SS D. This is the name of your Wireless Access Point.
4. Tap the Security field and select a security option. This must match the current security setting on your target WAP.

5. If secured, you will also need to enter your WAP's password.
6. If you need to configure advanced options such as Proxy settings, IP settings, or Key management, tap Show advanced options.
7. Tap CONNECT to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Tap SCAN.

   All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 153.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's advanced Wi-Fi services.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Press ➔ Advanced.

   The following options are available:

   - Network notification: alerts you when a new open WAP is available.
   - Sort by: allows you to sort by alphabet or RSSI.
   - Keep Wi-Fi on during sleep: allows you to specify when to disconnect from Wi-Fi.
   - Always allow scanning: allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
   - Install certificates: allows you to install security certificates that you have on a MicroSD card.
   - MAC address: view your device's MAC address, required when connecting to some secured networks (not configurable).
   - IP address: view your device's IP address.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS ➔ Wi-Fi.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. Press and tap Wi-Fi Direct.
4. Repeat steps 1 - 3 on the other device you want to connect with. The steps on a different model of phone may be different.
5. On your phone, tap SCAN.

   The device scans for other Wi-Fi Direct devices.
6. Once the device you want to connect to is displayed, tap on it.
7. The other device has two minutes to accept the connection.

8. Once connected, the other device will show as Connected in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.

Note: To change your Device name, press [Menu] and tap Rename device.

Sharing Information with Connected Device

To share videos, photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or My Files folder, then tap the Share, Share via, or Send via option.
2. Tap the Wi-Fi Direct option.
3. Tap the connected device name.
4. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in My files ➔ All files ➔ Device storage in the ShareViaWifi folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam. To activate NFC on your device, see *"NFC"* on page 154.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more. For more information, refer to *"S Beam"* on page 107.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON
   When active, appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF .

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices

To access the Bluetooth Settings menu:

1. From the Home screen, tap ➔ Settings ➔ CONNECTIONS.
2. Verify your Bluetooth is ON
3. Tap Bluetooth.

To make your device visible:

1. From the Bluetooth settings page, press ➔ Visibility timeout.
   - Making your device visible allows it to be detected by other devices for pairing and communication.
2. Select a time that you would like your device visibility to time-out.

To show received files:

- From the Bluetooth settings page, press → Received files.

  A list of all files received from Bluetooth is displayed.

To change your Device name:

- From the Bluetooth settings page, press and tap Rename device.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap SCAN to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap SCAN. Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap OK.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Deleting a paired device (unpair)

Deleting a device from your list removes its “connection record” and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device. This opens the connected device’s menu options.
3. Tap Unpair to delete the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices’ settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient’s device must be visible.

For example, to share contact information:

1. Verify your Bluetooth is active.
2. From the Home screen, tap Contacts .
3. Press ➔ Share name card.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark will appear next to each entry you select.
5. Tap DONE.
6. Tap Bluetooth.
7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

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8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies: allows you to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies, which is available at http://www.samsung.com/kies (for Windows/ Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click Open device to view files.
3. Copy files from the PC to the memory card.

Section 10: Applications

This section contains a description of each application that is available in the Apps Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Note: This manual only addresses applications that have been preloaded on your device. Information concerning third party applications that you choose to download from the Google Play Store or otherwise should be obtained from the application provider.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 33.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap ➔ Calculator .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (=).
6. To view calculator history, tap located at the top of the calculator buttons. A history of your past calculations is displayed. Tap to display the calculator keypad.
7. To clear the calculator history, tap ➔ CLEAR HISTORY.

Scientific Calculator

- With the calculator open, turn your phone sideways to the landscape position to display the scientific calculator.

NOTE: Screen rotation must be enabled (see *"Notification Bar"* on page 38).

Camera

Use your 13 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos. For more information, refer to *"Camera"* on page 80.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your camera.

1. From the Home screen, tap ➔ Chrome .
2. Read the Google Chrome Terms of Service and tap ACCEPT & CONT NUE.
3. If you have an existing Chrome account, tap SIGN IN to bring your open tabs, bookmarks, and omnibox data from your computer to your camera, otherwise tap NO THANKS.
4. Follow the on-screen instructions to use Google Chrome.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap ➔ Clock ➔ Alarm ➔ Create alarm . The following options display:
   - Time: tap (Up) or (Down) to set the new time for the alarm to sound. Tap AM or PM.
   - Alarm repeat: use this option to set the repeating status for the alarm by tapping on the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.
   - Alarm type: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).

- **Alarm tone**: sets the sound file which is played when the alarm is activated. Select an option or tap Add for additional options.
- **Alarm volume**: drag the slider to adjust the alarm's volume.
- **Location alarm**: when activated, the alarm only sounds when you are at a specific location. Tap the slider to turn it on then follow the on-screen instructions to enter a location.
- **Snooze**: use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Tap the ON/OFF slider to activate. Tap the ON/OFF slider to activate.
- **Smart alarm**: phone plays a slowly increasing natural sound and displays the alarm screen for a preset time before the set alarm goes off. Set the Interval and the Tone then tap **Save**.Tap the ON/OFF slider to activate.
- **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap DONE to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the icon to the left. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 160.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap ➔ Clock ➔ Alarm ➔ ➔ Delete.
2. Tap the alarm or alarms you wish to delete. A green checkmark will appear next to each selection.
3. Tap DONE.

World Clock

World Clock allows you to view the time in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap ➔ Clock ➔ **World Clock**. The clock for your time zone is displayed.

2. Tap to add another city to the World Clock.
3. Find the city on the world map, tap and scroll through the list of cities to find the city you want to add, or tap the Search bar and use the the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap DST settings.
6. Select Automatic, Off, or 1 hour.

Deleting a World Clock Entry

1. From the Home screen, tap ➔ Clock ➔ World Clock ➔ ➔ Delete.
2. Tap the city clocks you wish to delete to place a checkmark in the selection box.
3. Tap DONE.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ➔ Clock ➔ Stopwatch.
2. Tap START to start the stopwatch and tap LAP to measure lap time.
3. Tap STOP to stop the stopwatch.
4. Tap RESUME to continue or tap RESET to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ➔ Clock ➔ Timer.
2. The Seconds field is highlighted and set to 30 seconds. Use the keypad to change the number of seconds as required.
3. Similarly, tap the Hours field to set hours and the Minutes field to set minutes. As you tap fields, they are highlighted.
4. Tap START to begin the timer and tap STOP to pause the timer.
5. After stopping, tap RESUME to continue or tap RESET to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap ➔ Clock ➔ Desk clock.

   The default Desk clock is displayed.
2. Tap to display the Desk clock in full-screen mode.
3. To make changes, tap ➔ Settings.

   The following options are available while in full-screen mode:

   - Hide status bar: when this is checked, the status bar is hidden from view.
   - Calendar: when this is checked, the calendar is displayed. Tap to uncheck.
   - Weather: when this is activated, the location, temperature, and weather condition is displayed. Touch and slide the slider to the right to turn it on .
   - Wallpaper: tap to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
   - Dock: allows you to set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, Automatic unlock, and Audio output.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

For more information, refer to *"Contacts and Your Address Book"* on page 59.

Downloads

Provides quick access to tabs containing lists of your current downloaded files (Internet and Other).

1. From the Home screen, tap ➔ Downloads .

   All of your downloads are listed.
2. Tap Sort by size to see your downloads sorted in size order.
3. Tap Sort by date to see your downloads sorted in time order.

Drive

With the Google Drive application, everything that you add to your Drive from work or home is also available on your device. You can create and edit documents on your device and the changes are saved everywhere.

1. Sign on to your Google account.
2. From the Home screen, tap ➔ Drive .
3. Follow the on-screen instructions to use Google Drive.

Press ➔ Help for additional information.

Dropbox

Dropbox is a free service that lets you bring all your photos, documents, and videos anywhere. Any file you save to your Dropbox will automatically save to all your computers, phones and even the Dropbox website.

1. From the Home screen, tap ➔ Dropbox
2. Follow the onscreen instructions to sign up for your Dropbox account.

Email

Email enables you to review and create email using various email services. You can also receive message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 94.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap ➔ Flipboard .
2. To view the application, tap **Try it out first**. To first select topics you are interested in, tap **Pick topics you like**.
3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 77.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 96.

Google

The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *"Google Search Bar"* on page 24.

Google Settings

Use this app to manage your Google settings.

1. From the Home screen, touch ➔ Google Settings.
2. Follow the on-screen prompts to modify your Google Settings.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 98.

Group Play

Group Play allows you to share pictures, music, and documents in real-time with your friends. You can create a group from your device or join other groups. You can also play games with your friends.

1. From the Home screen, tap ➔ Group Play .
2. Read the Disclaimer, tap I agree ➔ CONFIRM.
   The Group Play main screen is displayed.

Creating a group

If you have media you want to share, create a group.

1. From the Group Play main screen, tap CREATE GROUP.
   Mobile AP is enabled.
2. Tap one of the media items listed under the Sharing content heading.
3. Tap the items you want to share to create a checkmark, then tap DONE or OK.
4. Friends signed on to Group Play from their devices can view your media using you as a Mobile AP.

Joining a group

If you want to see media from your friend's phone, join a group.

1. From the Group Play main screen, tap JOIN GROUP.
2. Your phone scans for available groups for you to join.
3. Tap a group to join.

   You will now be able to see your group's shared media.

Hangouts

Hangouts is a free web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

- From the Home screen, touch ➔ Hangouts.

For more information, refer to *"Hangouts"* on page 98.

Help

The Help application provides detailed help for using your phone and the included features and applications.

1. From the Home screen, tap ➔ Help.
2. Tap one of the following for more information:
   - New features: provides help on all of the new features and applications such as Air gesture, Air view, Group Play, etc.
   - Getting started: provides basic information on using your phone.
   - Applications: provides information on how to use basic applications like Contacts, Email, S Memo, Internet, Camera, etc.
   - Settings: provides information on important settings such as Wi-Fi, Bluetooth, Ringtone, Power saving mode, and NFC.

Internet

Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 145.

Knox

Use this application to separate personal and work data and to access enterprise applications securely from your device.

1. From the Home screen, tap ➔ Knox .
2. To start KNOX, you need to download and install the application. Tap Install and follow the on-screen instructions.

This application may not be available depending on the region or service provider.

To secure your data, KNOX and associated data are deleted when the password is entered incorrectly several times.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap ➔ Settings ➔ MORE ➔ Location ➔ Mode.
2. The following options are available:
   - High accuracy: use GPS, Wi-Fi and mobile networks to estimate your location with best accuracy. (uses most battery power).
   - Power saving: use Wi-Fi and mobile networks to estimate your location.
   - GPS: use GPS satellites only to estimate your location.

Note: Using GPS allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings

- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap ➔ Maps
   A map will display with your location in the very center.
2. Follow the on-screen instructions to use the Maps application.

Maps Menu

While viewing a map:

- Touch Menu, in the lower left corner of the screen, for options.

To configure Maps settings:

- Touch Menu ➔ Settings.
  Follow the on-screen instructions.

For more information touch Menu ➔ Help.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 88.

Music

Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music"* on page 72.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap ➔ My Files ➔ All files.
2. Tap Device storage to see the contents of your phone's internal storage.
3. The following folders may display:
   - Alarms: this folder contains any alarm files you may have.
   - Android: the Android folder stores files that are used in Android applications.
   - Application: this folder contains app info for S Memo.
   - Bluetooth: this folder stores files sent via a Bluetooth device.

- DCIM: this is the default location for pictures and videos taken by the device. Tap DCIM ➔ Camera to view the picture or video files. For more information, refer to *"Viewing Pictures"* on page 77. Also, see *"Viewing Videos"* on page 78.
- Documents: contains document files.
- Download: this folder contains downloads you have made.
- Movies: this folder contains your Video and Movie files.
- Music: this folder contains your Music files.
- Notifications: this folder contains all of the notifications you have received.
- PhotoEditor: contains edited photos.
- Pictures: this folder contains your photos.
- Podcasts: this folder contains all of your podcasts.
- Ringtones: this folder contains any ringtones you have purchased.
- S Memo: this folder contains all the S Memos you have written.
- SMemoExports: images exported from S Memo (such as when capturing a Contact photo from an S Memo).

Note: Different folders may appear depending on how your phone is configured.

4. If you have an external SD card inserted, tap SD card to see the contents of your external SD card (memory card).
5. Touch a folder and scroll down or up until you locate a file.

Note: You may have to touch one or more sub-folders before you encounter files.

6. Touch a file to launch it in the associated application, if the file is associated with an application.
7. While browsing files, use these controls:

Home: Display the root directory.

Up: Display a higher directory.

Menu: Displays the following options:

- Select all: Mark all files or folders.
- Create folder: Create a new folder.
- Search: List files and folders that contain the keywords you enter with the on-screen keyboard.
- View by: Set how you want to view files and folders.
- Sort by: Set the order in which you want to view files and folders.
- Settings: Manage My Files settings.

Mark files: Touch the box to the left of each file or next to the folder to select all files in the folder. Then touch in the Application bar to delete the selected items. Touch the selection box in the top left corner to select all files or unselect all files.

More options: Once files or folders are marked, touch this icon to move, copy, or rename the file or folder, or view details about the file or folder.

Optical Reader

The Optical Reader allows you to use your camera to identify text and extract useful information or translate the content.

1. From the Home screen, tap → Optical Reader .
2. Aim the pointer at the centre of the screen at words, contact information or a QR code.The device recognizes the content and the type of information, and provides related functions.
3. Tap a function to execute it.
4. Press to access the following options:
   - Load image: load a saved image to the photo reader.
   - History: view previously analyzed content.
   - Language settings: choose a recognition language.
   - Dictionaries: choose a dictionary
   - Saving option: choose whether to save capture images
   - Help: view additional information on using Photo Reader.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 42.

Photos

Google Photos allows you to share your photos more easily using the Google+ application.

1. Sign on to your Google account.
2. From the Home screen, tap ➔ Photos .

Follow the on-screen instructions to use Google+ Photos.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap ➔ Play Books .
2. Log on to your Google account. For more information, refer to *“Creating a New Google Account”* on page 8.
3. Follow the on-screen instructions for using the Play Books application.

Play Games

Use Google Play Games to download and play games.

- From the Home screen, touch ➔ Play Games.

Play Movies

With Google Play Movies, you can rent thousands of different movies and view your own personal videos. You can watch movies instantly, or download your movie for offline viewing at a later time. For more information, refer to *“Play Movies”* on page 77.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *“Video”* on page 76.

Play Newsstand

With Google Play Newsstand, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

1. From the Home screen, tap ➔ Play Newsstand
2. Log on to your Google account if you have not already done so.
3. At the Welcome! display, tap GOT IT.
4. Sweep the screen to the left or right to view Categories.

5. Tap a magazine to see more information and subscribe.
6. Follow the on-screen instructions to subscribe to a magazine.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Using Gmail"* on page 96.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **APPS**, **GAMES**, **MOVIES & TV**, **MUSIC**, **BOOKS**, or **NEWSSTAND** to download or purchase content. You can also download updates to existing applications.
5. Follow on the on-screen instructions.
6. For options, swipe right on the screen.

Polaris Office 5

Polaris® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap → **Polaris Office 5** .
2. Enter your Email information (if desired) and touch **DONE** to complete the process.

   – or –

   Touch **SK P** to ignore this registration.

   The main Polaris Office screen displays.
3. Follow the on-screen instructions to use Polaris Office.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

1. From the Home screen, tap ➔ S Health .
2. Read the introduction and tap NEXT.
3. Read the Terms and conditions, then tap the two I agree checkboxes.
4. Tap NEXT.
5. Tap SET PASSWORD to password protect your S Health data or SKIP to leave data unprotected.
6. To use Auto backup to back up and restore your data automatically, tap the ON/OFF slider, located to the right of the Auto backup field, to turn Auto backup on select a backup frequency, then tap NEXT.
7. Enter your personal information, then tap START.
8. Follow the on-screen instructions to use S Health.
9. Tap ➔ Help for more detailed information.

S Memo

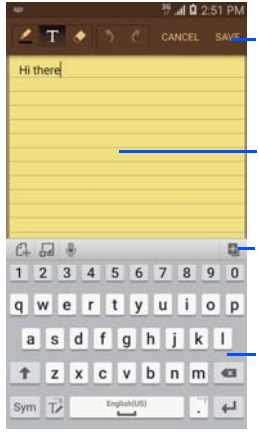
The S Memo application allows you to create memos using the keypad, your finger, or both. You can add images, voice recordings, and text all in one place.

Creating a New Memo

1. From the Home screen, tap ➔ S Memo .
2. Tap an existing Memo to open it then tap the screen to enter edit mode.

   – or –

   Tap to start a new memo in text mode with the keypad displayed or tap to start a new memo in drawing mode using your finger or a compatible on-screen writing tool. You can change back and forth in a memo to add text with the keypad and the pen.



The icons that you see displayed on the screen are described in the following table:

Allows you to add free-format drawing.

Displays the keypad to you can add text.

Eraser tool allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Make a voice recording to add to the memo.

Provides access to a quick selection bar. Choose from: Take picture, Images, Clipboard, Maps, and Clip art. These elements can be used within the memo.

Add an additional page to the memo.

Edit mode: memo can be edited. Tap to change to View mode.

View mode: memo cannot be edited. Tap to change to Edit mode.

3. Press to access the following options:

Note: Depending on whether you have saved the memo, are in keypad mode, or in handwriting mode, the options will appear differently. The following is a list of the options you may see.

- **Share via**: allows you to share your memo as either an Image file, a PDF file or S Memo file (.snb) via Group Play, Wi-Fi Direct, Bluetooth, ChatON, Dropbox, Flipboard, Picasa, Google+. Messaging, Gmail, or Email.
- **Delete**: allows you to delete the S Memo.
- **Export**: allows you to save the memo to your Gallery as either a JPG or as a PDF.
- **Save as**: allows you to save the memo with a different name.
- **Add tag**: allows you to set tags to add in searches.
- **Add to/Remove from Favourites**: add or remove gold star in the lower right corner that indicates the file is a favourite.
- **Change background**: allows you to set the background for your memo. Tap a background colour and then tap **Done**.
- **Edit pages**: lets you copy and paste memo pages.
- **Create event**: allows you to link the memo to your Calendar events.
- **Set as**: allows you to set a memo as a contact icon, Home screen wallpaper, or Lock screen wallpaper.
- **Print**: allows you to print the screen or web page via Google Print or Samsung Print.

When you are finished creating your memo, tap **Save** on the top menu bar.

S Planner

With the S Planner feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access S Planner:

1. From the Home screen, tap → **S Planner**.
2. Tap and select from the following tabs:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Month and agenda**: displays month and agenda views in reduced size.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **Agenda**: displays the Agenda view.
3. Tap (**Add event**) to create a new Calendar event.
4. Tap **TODAY** to display the current date (indicated by a blue box).
5. Press and select one of the following options:
   - **Select date to view**: displays a specific date.

- Delete: allows you to delete All events, All events before today, or an individual event.
- Delete memo: allows you to delete memos added to calendar dates.
- Search: allows you to search within your current events.
- Calendars: select the calendar options that you want displayed.:
- Sync now: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
- Settings: displays a list of configurable settings.

S Planner Settings

1. From any Calendar view, press ➔ Settings.
2. Tap View styles ➔ Week view and select an option (Timeline or Analogue).
3. Tap First day of week and select either Local default, Saturday, Sunday or Monday.
4. Tap Hide declined events to activate this option. A check mark indicates selection.
5. Tap Hide completed tasks to activate this option. A check mark indicates selection.
6. Tap Weather to have weather symbols displayed on your calendar. A check mark indicates selection.
7. Tap Lock time zone (to lock event time based on your current user-selected time zone). Select a time zone from within the Select time zone and View today according to fields.
8. Tap Set snooze duration and select a time delay for snooze: 3 minutes, 5 minutes, 10 minutes, 15 minutes or 30 minutes.
9. Tap Select alert type to adjust the event notification method. Choose from: Pop-up notifications, Status bar notifications, and Off.
10. Tap Notification sound to assign a sound to a calendar event notification.
11. Tap Vibration to set the Event notification tone to vibrate.
12. Tap Quick responses to select quick responses to emailing guests.

S Translator

With the S Translator you can easily translate words and phrases into many different languages.

1. From the Home screen, tap ➔ S Translator .
2. Sign in with your Samsung Account if you have not already done so. For more information, refer to *“Creating a Samsung Account”* on page 8.
3. Read the S Translator Terms of Service, tap the selection box to add a checkmark, and tap NEXT.
4. Read the personal data terms, tap the selection box to add a checkmark, and tap START.
5. At the S Translator screen, tap the top language bar to select the original language.
6. Tap the language bar in the middle of the screen to select the language that you would like to translate to.
7. Enter text into the upper box and tap .

   It will be translated into the language of the lower box.

   – or –

   Enter text into the lower box and tap .

   It will be translated into the language of the upper box.
8. To hear the written text in the upper or lower box, tap or .
9. To translate spoken words in either language, tap one of the Speak buttons at the bottom of the screen. The translation will appear automatically in the appropriate box.
10. Tap to view History, Favourites or set of Preset phrases.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap ➔ S Voice .
2. Read the Terms of Service then tap AGREE to continue.
3. Read the information on the About S Voice screen, then tap NEXT.
4. Read the information on the Say what you want screen, then tap NEXT.
5. Read the information on the Wake up S Voice screen, then tap NEXT.

6. Read the information on the Edit what you said screen, then tap Next.
7. Read the information on the Help screen, then tap F NISH.
8. At the S Voice screen, say “Hi Galaxy” to wake up S Voice.
9. Speak into the phone and follow the on-screen instructions.

Samsung Apps

With Samsung Apps, you can download hundreds of applications from a variety of categories.

1. From the Home screen, tap → Samsung Apps .
2. Tap an application that you would like, then tap Install.
3. Tap Accept and download.
4. The application is downloaded to your device. You can find the app icon in your app menu.
5. Swipe right and tap Help for additional information.

Samsung Hub

Samsung Hub is Samsung’s integrated store for media content that offers a comprehensive and consistent media service experience. You can browse and purchase all media content within a single store front.

Samsung Link

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung Link makes staying connected easy.

Samsung Link allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices.

For more information, refer to *“Samsung Link”* on page 70.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *“Changing Your Settings”* on page 99.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you wish, you can have your album published as a hard copy.

1. From the Home screen, tap ➔ Story Album .
2. Read the introductory information and tap NEXT.
3. Tap START to begin your Story Album.
4. Follow the on-screen instructions.
5. Press ➔ Help for additional information.

TripAdvisor

With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do.

1. From the Home screen, tap ➔ TripAdvisor .
2. Sign in with your Samsung Account or TripAdvisor account, or tap Skip for now.
3. Follow the on-screen instructions to use TripAdvisor.
4. Press for additional options.

Video

The Video application plays video files stored on your memory card. For more information, refer to *“Video”* on page 76.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Bluetooth, Dropbox, Email, Gmail, Messaging or Wi-Fi Direct. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap ➔ Voice Recorder .
2. To start recording, tap Record and speak into the microphone.
3. During the recording process you can either tap Stop to stop and save the recording or Pause to temporarily halt the recording. After pausing, tap Record to resume recording. Once the audio recording has stopped, the message is automatically saved.
   Tap Cancel to cancel the recording without saving.
4. Tap List to display a list of all your voice recordings. Tap a voice recording to play it.
5. Press to display the following options:
   - Share via: allows you to share your recording using Email, Drive, Dropbox, Android Beam, Bluetooth, Gmail, Messaging, Quick connect, Samsung Link, or Wi-Fi Direct.

- **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap DELETE.
- **Settings**: the following settings are available:
  - **Storage**: allows you to choose where your recordings will be saved. Select between Phone or memory card.
  - **Recording quality**: allows you to set the recording quality to High or Normal.
  - **Limit for MMS**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.
  - **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
  - **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.
  - **Noise reduction**: turn noise reduction on or off.
  - **Recording volume**: set recording volume for Quiet place, Noisy place, or Auto (default).
  - **Channel**: choose whether to record a stereo or mono signal.
  - **Skip interval**: allows you to assign a skip length.

Voice Search

The Google Voice Search application allows you to search the web using only your voice.

1. From the Home screen, tap ➔ Voice Search .
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.
3. If the timer expires and the microphone icon changes from red to gray, tap the icon and speak the word or words that you would like to search for on the internet.

   Results are displayed on your phone.

WatchON

With the Samsung WatchON application, you can use your phone as a remote control for your TV.

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial WatchON application setup, confirm your TV is turned off.

Initial Configuration

1. Sign into your Samsung account.
2. From the Home screen, tap → WatchON .

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process via a mobile network. Click Connect to proceed.

3. Tap START.
4. If the automatic country selection is not correct, tap and tap the desired country for your TV Guide's source listing.
5. Enter your current postal code and tap . This code must correspond to the location of your desired TV and set top box.
6. From the Find your TV service screen, select your service provider from the list.
7. Tap OK to set up your remote control.
8. Ensure your TV is turned off then tap Next.
9. Point your phone at the TV and tap Next.
10. From the Select your TV brand screen, tap your TV manufacturer's name.
    - If you have a brand of TV not listed or you are using a projector, select from one of the following two options. Choose from either SHOW OTHER BRANDS or I HAVE A PROJECTOR.
11. Tap Next.
12. Aim your device at the TV and tap Button 1 to turn on the TV.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

13. If the TV turned on, tap YES.

    – or –

    If the TV did not turn on after tapping Button 1 and waiting 10 seconds, tap NO and continue tapping each button until the TV turns on, then tap YES.
14. From the Add Cable/Satellite box screen:

If your Cable/Satellite box brand is listed, tap it then tap Next and follow the on-screen instructions to set up the box.

If your box is not listed, tap Show other brands. If your Cable/Satellite box brand is now listed, tap it then tap Next and follow the on-screen instructions to set up the box. If your box is still not listed, tap I CAN"T FIND MY BRAND, fill in the information and tap SEND to request support.

If you do not have a cable/satellite box, tap I don't have Cable/Satellite box.

15. If prompted to Enable IR, tap More info to learn how to configure your set top box to receive and respond to IR controls.

Important! You must configure your set top box for IR communication with your device. If you do not select More info and follow the on-screen instructions you may not be able to properly use the application.

Note: This IR programming of your set top box is a one-time process and once successful should not need to be repeated.

16. If prompted to personalize your experience, follow the on-screen instructions.
17. Tap DONE.

Using WatchON

To change channels:

1. Sign into your Samsung account.
2. From the Home screen, tap ➔ WatchON .
3. From the top of the main screen, tap (Remote Control). This launches an on-screen remote control.
4. Tap at the right side of the screen to access additional remote tabs. Choose from one of the following:
   - TV: provides access to control functions specific to your TV.
   - [Set top box]: displays customized control specific to your configured set top box.

5. From the remote screen press [Menu] and then tap Change room to choose from different receivers/boxes in different rooms.
6. Press [Back] (Back) to return to the main menu.

Locating your favourite programming:

1. Sign into your Samsung account.
2. From the main WatchON screen, sweep right to reveal available media categories.
3. Select an available category.

   – or –

   Tap Channel Guide to display on your TV an on-screen listing of available set top box shows.

For additional information on the WatchON application, From the main WatchON screen, sweep right and then select on of the options under HELP.

WatchON Settings

- From the main WatchON screen, press [Menu] and then select an available on-screen option:
  - Settings: provides access to the Samsung WatchON settings menu.
  - Change room: allows you to select a previously configured room.
  - Edit channels: allows you to add or remove channels from your custom list. Press and hold a channel number to update the channel entry.
  - About: displays on-screen information about the application.

Personalize WatchON

You can personalize your application to do things such as show content only from your selected media categories, or add an additional room's set top box.

Just for you

The Just for you option displays available content matching your activated media categories. These categories can be configured during your initial set up or at any later time.

1. Sign into your Samsung account.
2. On the main WatchON screen, tap JUST FOR YOU.
3. From the On TV tab, press [Menu] and then select Settings.
4. Access parameters such as Basic info, Genres and Sports to then configure and enable those parameters you would like to show in the Just for you tab.

Add a new room

Your device can be used to control boxes/receivers from several rooms. You could go from controlling your set top box in your living room and then move into your bedroom to do the same.

1. Sign into your Samsung account.
2. From the main WatchON screen, press and then select Settings ➔ Add room.
3. Name the new room and tap NEXT.
4. Enter your current postal code and tap Done. This code must correspond to the location of your desired TV and set top box.

Follow the steps from page 181 to complete the process.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you use a large data plan or Wi-Fi access to avoid excessive data charges.

1. From the Home screen, tap ➔ YouTube .
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or sweep the screen to the right and select a category.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. Press for Settings and additional options.

Note: t is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, tap ➔ Sign in, choose an account and tap OK.

Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

There are several simple guidelines for operating your phone properly and maintaining safe, satisfactory service.

- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it's inoperable, return it to a dealer store or call Customer Support for service.

Note: For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

Maintaining Safe Use of and Access to Your Phone

Failure to follow the instructions outlined may lead to serious personal injury and possible property damage.

Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free device) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and re-dial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving. If necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic. If possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 911 to report serious emergencies. t's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

Note: Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, Transport Canada regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn off your phone when you are in an area with a potentially explosive atmosphere. Although it is rare, your phone or its accessories could generate sparks. Sparks

could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked.

These areas include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

Note: Never transport or store flammable gas, liquid, or explosives in the compartment of your vehicle that contains your phone or its accessories.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone, dial 911 by mistake, or make calls that increase your phone bill.

Warning Regarding Display

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

Caring for the Battery

Protecting Your Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32º F to 113º F (0º C to 45º C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.

- It's best to replace the battery when it no longer provides acceptable performance. When used correctly, the battery can be recharged hundreds of times before it needs replacing.
- Don't store the battery in high temperature areas for long periods of time. t's best to follow these storage rules:
  - Less than one month:
    -4º F to 140º F (-20º C to 60º C)
  - More than one month:
    -4º F to 113º F (-20º C to 45º C)

Disposal of Lithium Ion (LiIon) Batteries

For safe disposal options of your LiIon batteries, contact your nearest service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Note: For safety, do not handle a damaged or leaking LiIon battery.

Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular

installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning! At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values for the M919V are:

Head: 1.03 W/kg

Body: 1.31 W/kg

This phone has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SGH-M919V

Serial No.:

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